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ABSTRACT

The manual, one of several resulting from a project to design planning procedures for local and State vocational education agencies, contains a variety of materials used in workshops, orientations, and briefings during the development of the Vocational Education Planning System. Two sections are particularly detailed: An Approach to the Vocational Education Application Selection Using Linear Programming by Charles I. Goldman, and examples of visuals used in a project summary presentation, Spring 1971. Other sections include: a plan for disseminating the system, an outline of the process for planning at the State level, a project summary, and items from a presentation to a county coordinating council on implementing a planning system. (AG)

A Vocational Education Planning System
FOR LOCAL SCHOOL DISTRICTS

NEW JERSEY STATE DEPARTMENT OF EDUCATION
DIVISION OF VOCATIONAL EDUCATION
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A VOCATIONAL EDUCATION PLANNING SYSTEM FOR LOCAL SCHOOL DISTRICTS

Volume VIII: Training Materials

Produced For

Edison Township

Linden

Lower Camden County Regional
High School District

Middlesex County Vocational Schools

Somerset County Vocational School
and Technical Institute

and

The State Department of Education
Division of Vocational Education

With the Assistance of

Government Studies and Systems, Inc.

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July 1970 - June 1973

Acknowledgments

The Division of Vocational Education of the New Jersey State Department of Education has long recognized the need to introduce more science into the art of educational planning. This publication is an outgrowth of its efforts to devise more systematic, objective, and precise bases for program decisions. The Division has determined, moreover, that the key to the success of its system is to insure that the Local Education Agency has an advanced planning capability.

Grateful acknowledgment is given to Dr. Robert M. Worthington, former Assistant Commissioner of Education (DVE), for initiating this study and to Mr. Stephen Poliacik, Assistant Commissioner of Education (DVE), for his guidance and support in continuing the study when problems seemed insurmountable. Also, to Former Commissioner of Education, Dr. Carl L. Marburger, and Acting Commissioner of Education, Dr. Edward W. Kilpatrick for their support and patience. Appreciation is further expressed to the Superintendents of the five LEAs: Mr. Charles A. Boyle, Edison; Mr. Americo R. Taranto, Linden; Mr. Joseph R. Wilson, Somerset; Mr. Leonard A. Westman; Lower Camden County Regional High School; and Dr. J. Henry Zanzalari, Middlesex County Vocational Schools and Technical Institute for their cooperation and understanding.

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Director, State Division of Vocational Education (Ancillary Services); Mr. Harold R. Seltzer, Director, Bureau of Occupational Research and Development; and Mr. Alvin Weitz, Director of Program Development for their invaluable assistance and insights. To Government Studies & Systems, Inc., Mr. Charles P. Cella, Director; Mr. Roger L. Sisson, Associate Director; Mr. Joseph H. Bosworth, Program Director; and Mr. Nelson G. Freed, Project Manager for their knowledge and technical capability so necessary in developing and testing this planning system.

Series Preface

Planning is a universal concept based on the proposition that if you think a bit about what you intend to do, you are likely to do whatever it is better than if you don't think about it. This process of thinking ahead generally involves gathering information, analyzing the information and then formulating one or more courses of action to follow. The planning system presented here embodies these elements in operational procedures for planning for school districts.

The Vocational Education Planning System for Local School Districts draws heavily upon a growing body of experience in educational planning which has been generated by Government Studies & Systems (GSS). The introduction describes these concepts. Out of this experience has evolved a set of planning techniques, particularly suited by design and through actual use, to enable effective planning. The bases for and uses of indicators, planning factors, forecasts, models and others of these techniques are clearly laid out in this manual as they appear in the normal course of the planning cycle.

This manual is one of several resulting from a project to design planning procedures for local and state vocational education agencies. This manual describes the overall planning process for LEAs. It is to be used in conjunction with the following manuals:

Volume I	:	Local Education Agency Users' Manual
Volume II	:	Local Education Agency Users' Data Collection Manual
Volume III	:	Local Education Agency Planning Analyst's Procedures
Volume IV	:	State Application Funding Procedures
Volume V	:	Enrollment Forecasting Procedures
Volume VI	:	Procedures for Estimating Adult and Post-Secondary Potential Enrollment
Volume VII	:	Job Demand Forecasting Program
Volume VIII	:	Training Materials
Volume IX	:	Guide to Project Manuals

The most important ingredients in effective planning, however, are the people who do the planning. The planning team itself should include, at the very least, those who are going to be directly responsible for the execution of the plan, once developed, and those who are otherwise directly affected by the plan. People who participate in the planning process, who see their input take shape in a plan, tend to be better advocates and implementors of that plan.

TABLE OF CONTENTS

		Page
	Acknowledgments	i
	Series Preface	iii
1.	INTRODUCTION	1
2.	A PLAN FOR DISSEMINATING THE NEW JERSEY LEA VOCATIONAL EDUCATION PLANNING SYSTEM THROUGHOUT THE STATE	3
3.	PLANNING FOR VOCATIONAL EDUCATION AT THE STATE LEVEL; AN OUTLINE OF THE PROCESS	11
4.	AN APPROACH TO THE VOCATIONAL EDUCATION APPLICATION SELECTION USING LINEAR PROGRAMMING	19
5.	VISUALS USED IN PROJECT SUMMARY PRESENTATION, SPRING 1971	71
6.	NEW JERSEY VOCATIONAL EDUCATION PLANNING SYSTEM PROJECT SUMMARY	97
7.	PRESENTATION TO A COUNTY COORDINATING COUNCIL ON IMPLEMENTING A PLANNING SYSTEM	105

1. INTRODUCTION

This volume contains a variety of materials used in workshops, orientations, and briefings during the development of the system. This items vary widely: from an implementation memo, to an illustration of a computerized resource allocation model, to copy for workshop graphics.

Some of the material are self-contained and self-explanatory. Others are intended to stimulate new directions for extending the applications of the Vocational Education Planning System.

2. A PLAN FOR DISSEMINATING THE NEW JERSEY LEA VOCATIONAL EDUCATION PLANNING SYSTEM THROUGHOUT THE STATE

Background

A system for planning vocational education activities in area vocational technical schools, comprehensive high schools, and other schools which have significant vocational education programs has been developed (see Volume I). It incorporates PPB and other advanced management techniques as well as formalized procedures for staff, faculty, student and community participation. It is being operated by five pilot districts. These districts have found the system useful even during the first year of development. The pilots are now carrying through the entire planning process and they continue to find the system useful and are becoming quite enthusiastic about its possibilities for improving vocational education in the following ways:

- Providing a better match between the courses offered and the courses desired by the client groups.

- Providing a better match between the courses offered and manpower requirements.

- Involving the community in the decisions, so that tax increases and budget requests are more easily justified (as a result of both the participation and the logic of the planning process).

- Facilities can be added so as to meet requirements with less chance of having excess capacity or shops of the wrong type.

- The long term consequences (cost, benefits) of proposed innovations can be better judged.

- In general, funds will be allocated so as to more nearly meet LEA needs.

The purpose of this paper is to present a program for disseminating the LEA Vocational Education Planning system to other LEA's in the State. This process will also serve as a model for disseminating the process in other states. It is important, of course, that the value of the major investment made by the Federal and State government in the development of this system be realized through an appropriate dissemination process.

Approach to Dissemination

Two basic policies should underlie the development of the dissemination process:

(1) LEAs should volunteer to adopt the planning system. If the system is mandated, it will be subverted by those LEAs who do not wish to use it and the net result will generally be negative.

By volunteering, the LEA makes a commitment to change and this in itself is a major step toward implementation.

(2) It is unfair to ask an LEA to make a major investment in the transition from its current planning-budgeting process to this new process. It is a function of the State, with Federal support, to provide both technical and financial support during such transitions. Once the two-to three-year transition process is completed, the district should be able to carry on without special transitional subsidies, because the new

process will involve about the same effort and costs as the current activities.

Steps in the Dissemination Process

The major steps in dissemination are as follows:

(1) Orientation - Before an LEA can volunteer to adopt the planning system it needs to know about it. Thus, orientation efforts are required to inform all LEAs (with relevant vocational education activities) about the system; what its benefits are and how it works.

(2) Selection - The LEAs in which the system is to be implemented in any given year must be selected. As noted above, the first step of this selection is for the LEA to volunteer. If, however, more LEAs volunteer than can be handled by the technical and financial support resources, some further selection has to be made. The State will have to adopt a policy for this choice, based on the LEA needs, state priorities (as to support of urban areas, etc.) and the apparent capability of the LEA to successfully implement a planning process.

(3) Training - The selected LEAs will appoint the necessary personnel for implementing and operating the planning system. This involves two key groups (a) at least one person designated as the full-time LEA Planner, who administers the planning process and is the local technical expert, and (b) a Planning Committee appointed by the Superintendent with the

approval of the Board as required. The planning committee often consists of seven to fifteen people selected from relevant groups who will carry through the planning process. Value and decision inputs are obtained from many others during the planning process, but the planning committee is the focal point for these critical activities. Both the planner and the planning committee members need training in how the system operates, and in how to use the data and prediction tools which have been developed. This training is accomplished both by formal courses and by actual experience in operating the planning process on a trial basis in the first year of implementation.

(4) Implementation Support - The planner and planning committee in an LEA cannot be expected to resolve all of the problems that arise in the use of a new and sophisticated planning system. Therefore, technical support will be made available, as needed, in regard to all parts of the planning process: the formation and management of the planning committee, the use of information forecasting and prediction tools, methods for formalizing the decision-making process, and preparation of reports to the board and to the public.

(5) Operational Support - The LEA planning process requires that certain computations be made for enrollment forecasting and for the prediction of

resource requirements and costs. Thus, some operational support is needed in the form of computational services and occasional technical advice in relation to the use of computer models.

Organizational Alternatives

A major questions is: Who should provide the financial and technical support for all of these steps of the implementation process? Technically, the State, the county coordinators, or a private service group could perform any of the functions (except the process of selecting LEAs, which would not be delegated outside the Division). For example, one alternative is: (i) orientation provided by the State Division of Vocational Education, (ii) selection, training, and technical support provided by the county offices, and (iii) operational support by a private firm. Several other alternatives are available. In the next section we will outline a partial alternative, but some implementation decisions are yet to be made and require further analysis.

It is clear that it is the State's responsibility to provide the financial and technical support to the LEA's to make the transition to the planning system. This is the traditional role of the State as consultant to its LEAs. Further, the State has an interest, since its own planning processes will be considerably improved if almost all of the LEAs in the State (involved in vocational education) are using the planning process. This improvement is realized because the data resulting from the planning process, when aggregated

at the State level, forms an extremely useful prediction of the State's requirements and costs.

Whether the State delegates some of this responsibility for implementation to the County Coordinators or not depends largely on the rate at which it desires to disseminate the planning process. A leisurely (four-to-eight years) program results if only the State has a technical implementation team trying to serve all of the several hundred LEAs in the State. If the State has a technical team which in turn trains teams in most of the twenty-one counties, then the implementation time can probably be reduced to three to five years. This reduction results simply from the fact that one technical implementation team of two or three people can provide technical support for at most twenty LEAs in any one year, and that two years of support at a high level of effort is required to properly implement the system in any LEA.

The more rapid rate of implementation is desirable (1) so that the LEAs have the advantages of a better planning system, and (2) so that the State has the advantage that most of its LEAs have the planning capability and so can provide good data for State-wide planning.

Recommended Approach

Thus, the following alternative seems most appropriate: The State would develop a high-level technical support team of three or four people. This team would include appropriate computer modelling and data-processing skills, as well as skills in leading planning sessions and in working with LEAs

at the highest level. The State would also establish the necessary policies on the selection of the counties and LEAs in which the system is to be implemented at any given time. In the first two years, this team would assist one county to implement the system in all of its LEAs. The early part of this two-year period would, of course, involve some refinement of orientation and training materials (most of which are already available from the development phase). The main effort, however, would be to train the county staff and to help that staff work with its LEAs to implement the system. The county should have probably a two man staff (during the implementation period, at least); thus, a total of six people would be available to assist in the implementation in perhaps 20 to 30 districts.

During the second and third years the State team would concentrate on training the two-man teams in the other twenty counties. The first county and the original five pilots would serve as examples.

Thereafter, each county would be responsible for implementing the system in its area with the State providing general training and technical support to the county staffs.

Operational support might be handled in one of two ways (yet to be decided): (1) the State could provide or arrange for a state-wide service to process the data and perform detailed technical support for any LEA (the requests for such service coming through the county), or (2) each county could be charged with the responsibility of obtaining its own

technical support capability. The choice between these two is probably not a significant problem, but the source of operational support should be clear at the outset of the program so that uncertainity does not impede implementation.

Next Step

The next step in an implementation program is to design the dissemination process in further detail. A short study is needed to investigate LEA interest and State/County/LEA relationships, and to outline the procedures and materials needed to make this dissemination process a reality. To estimate funding requirements a list of tasks for this study is attached:

(1) Survey LEAs with vocational education programs to determine the need for, and interest in, the LEA Vocational Education Planning System.

(2) Define in detail (i.e., tasks of two to eight weeks) the activities required to carry through the dissemination process according to the general scheme presented in the paper. Prepare a PERT chart. On the basis of the PERT data estimate the time and costs for executing the dissemination program.

(3) Determine the current and future policy toward State/County/LEA relationships. Is the current policy of transferring responsibility to the counties to continue? Will the counties have sufficiently powerful coordinators and the capability of managing the required technical support staff?

(4) Define the sources of revenue, Federal, state, and local, for financing the implementation of the planning process and determine whether the sources are sufficient to carry out the proposed program.

(5) Identify possible sources of technical support manpower and determine whether the state can, feasibly, acquire these by transfer, employment or contract.

(6) Prepare a list of all training materials, procedures write-ups, manuals and computer processes required. Most of this is already developed. Should additional developments be required, identify them and estimate the cost of the development.

(7) Prepare a report describing the dissemination process in detail utilizing the results of the above tasks. Judge its administrative, technical and financial feasibility. Make recommendations on how the dissemination process should be carried out.

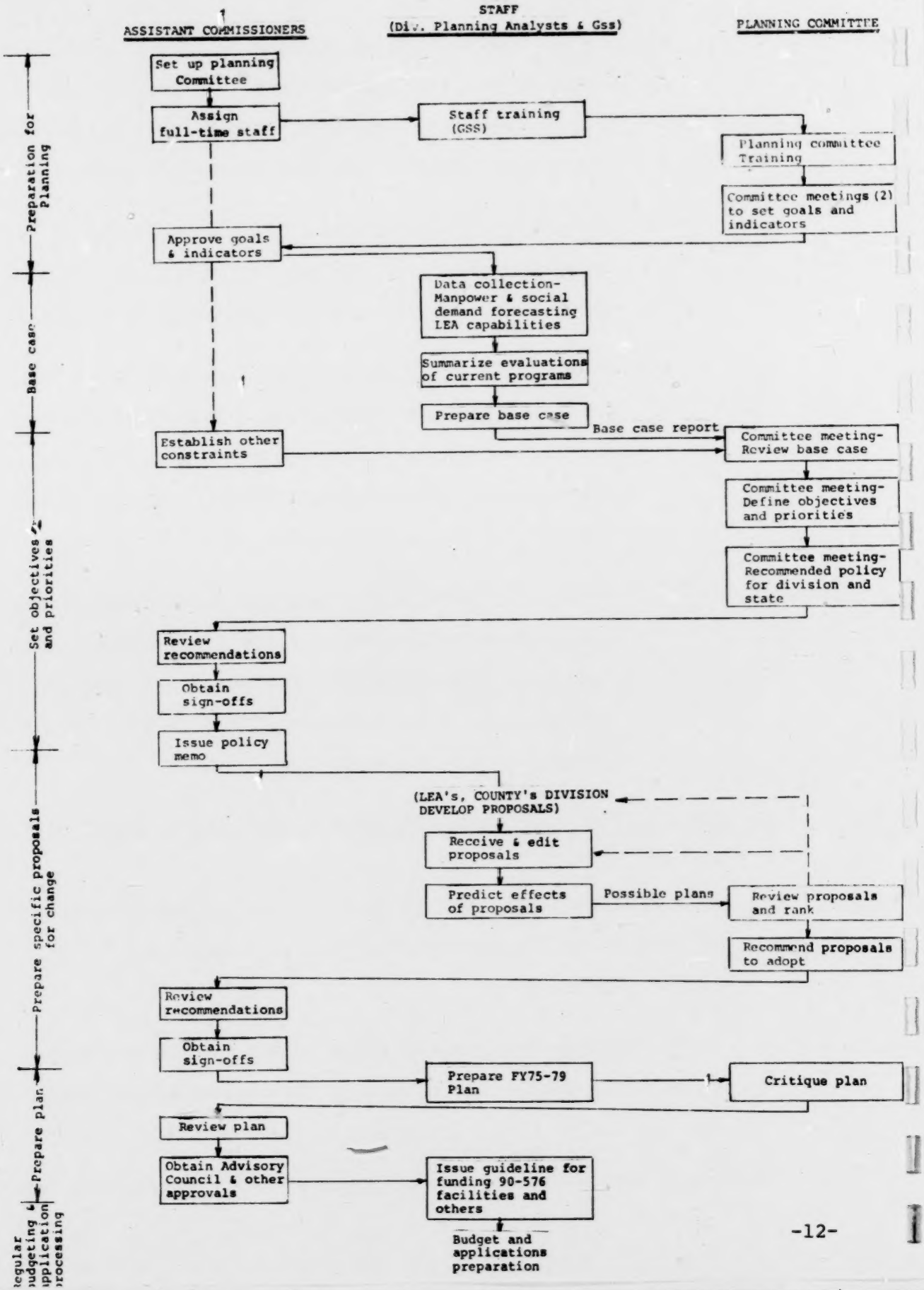
3. PLANNING FOR VOCATIONAL EDUCATION AT THE STATE LEVEL; AN OUTLINE OF THE PROCESS

The proposed process is shown in the attached figure. The rest of this note contains a brief description of each of the steps involved.*

Notice that the process is divided into 5 major steps: (1) the preparation for planning, (2) the development of

*This note describes only the proposed overall process of planning.

1973 PLANNING PROCESS



the base case or base-line data, (3) setting objectives and priorities, (4) preparing specific proposals for improvement and change, and (5) preparing the plan. Although many groups will be involved in the planning process, we have detailed, specifically, the major participants: the Assistant Commissioner, the planning staff, and the planning committee. In the first cycle, consultants may augment the Division's planning staff in order to accomplish the necessary training.

At first, this process will not necessarily be supported by all of the information systems and planning computations which might be desired. Use of the system will illustrate the need for such tools. Where good data does not exist, estimates of data values are substituted.

Preparation for Planning

The first step is for the Assistant Commissioner to establish a Planning Committee. This committee should have as wide an involvement as possible. It might, for example, include faculty from local agencies, students, county personnel, members of the State Advisory Board, as well as Division staff representatives. This committee should be constituted as a full working task force. Not a great deal of time is required (perhaps 9 major meetings), but the committee will be making critical recommendations and the top people should be involved. The Assistant Commissioner, himself, could usefully be a member.

The Assistant Commissioner should assign at least two persons as planning analysts. The full-time job for these

analysts would be to operate the planning process for the Assistant Commissioner.

In the next step staff is trained in what is to happen throughout the cycle. Then the planning committee should meet two or three times. The first session would be an orientation and training session for the committee. In the next two meetings the committee would be expected to establish, for the Division and for vocational education in the state, appropriate goals and indicators. These goals and indicators would then be approved at the Assistant Commissioner level (and by whomever else he feels should be involved).

Base Case Preparation

With the goals and indicators established, the base case development can begin. This is to a large extent staff work. The staff will collect the necessary data in relation to the chosen indicators, and other data requirements. It would include collecting appropriate manpower and social demand forecasts, information on current activities at each LEA and at county level. The staff will organize all this data into a coherent base case forecast of what vocational education in the state will be like over the next 5 years (or more if required). A part of the base case will be a summary of evaluations of the current programs.

The base case is then submitted to the Planning Committee, which reviews it for interpretation and accuracy. Meanwhile, the Assistant Commissioner may have established other

constraints on the year's planning cycle, which are entered into the considerations at this time.

Objectives and Priorities

Planning now enters the phase of setting objectives and priorities. This involves at least two further committee meetings. In the first the analysis of the base case is used to define specific objectives for the next 5 years, and to establish priorities among these objectives. In the final meeting of this phase, these objectives and priorities are cast into specific recommended policy for the Division and for vocational education activities throughout the state.

These recommendations are, of course, reviewed carefully by the Assistant Commissioner, who then obtains whatever other reviews and sign-offs required. This activity culminates in issuing a "policy memo" which makes clear the objectives and priorities for the year. It also gives the background for these in terms of base case data and basic goals.

Proposals

Next specific proposals are prepared. This phase starts by soliciting from local agencies, county coordinating groups and Division personnel proposals for specific program changes (including program reductions) and for other developments which should lead to attaining the objectives. (Note that these are not specific, such as 90-576 applications, but more general proposals for program, technique and other alternatives). The policy memo would include a specification of how these proposals are to be prepared and submitted.

The proposals are received and edited by the staff. The staff then makes an effort to predict the effect of these proposals on the State's overall vocational activities. Based on the costs and effects of the proposals they are ranked in order of importance relative to the priority objectives. A group of proposals, together with a description of ongoing activities, form a possible state plan.

Now the Planning Committee reviews the proposals and the groupings which form possible plans. They rank these and make a recommendation of which proposals to adopt. Next the Assistant Commissioner reviews the recommendated plan and obtains the necessary sign-offs.

Plan Preparation

Now the Plan can be prepared. The Plan, in addition to the usual background information, consists of describing what activities are proposed to occur over the next 5 years. It justifies these proposals on the basis of the data prepared during earlier steps in the process. The Plan is prepared by the staff, but critiqued carefully by the Planning Committee which is responsible for its final draft form.

The Plan, of course, is reviewed and approved by the Assistant Commissioner, who then obtains the approval of the State Advisory Committee and such others as required.

The Plan is then issued in time to serve as a guideline for the more detailed financial processes, which include specific LEA and county budgets, 90-576 (and similar,

documents) facility funding applications, and other specifically requested data.

Possible Schedule

To complete this process so that the Plan can be issued on time and so as to influence budgets and applications, the schedule should be:

Preparation for Planning	-	December - January
Base Case	-	January - February
Set Objectives and Priorities	-	March - April
Prepare Proposals	-	May - July
Prepare Plan	-	August

If this process is to be completed in the time frame indicated, the Assistant Commissioner should, by the end of January, have established the Committee and assigned a full-time staff so that the process may follow on schedule.

4. AN APPROACH TO THE VOCATIONAL EDUCATION APPLICATION SELECTION USING LINEAR PROGRAMMING

- NOTES -

Prepared by

Charles I. Goldman
1971

Dimensions of the Example

Instructional programs in three occupations.

1. Distributive
2. Health
3. Technical

Instructional programs funded by three revenue sources.

1. Voc. Ed. Amendments - Regular
2. Voc. Ed. Amendments - Disadvantaged
3. Voc. Ed. Amendments - Handicapped

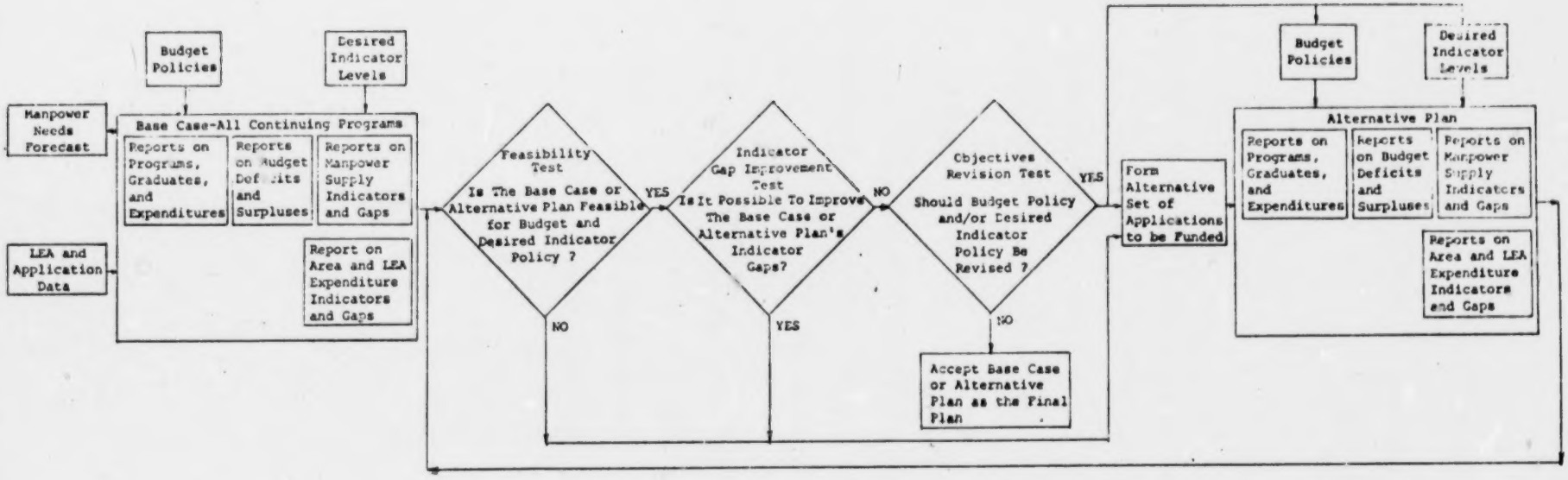
Instructional programs by three LEA types.

1. County Vocational Schools
2. Area Vocational - Technical Schools
3. School Districts

Three area characteristics for each instructional program.

1. Urban or Not Urban
2. High or Low Drop-out Rate
3. High or Low Unemployment Rate

THE PLANNING SYSTEM FLOW


Budget Policies
Desired Indicator Levels
Manpower Needs Forecast
Base Case-All Continuing Programs
Reports on Programs, Graduates, and Expenditures
Reports on Budget Deficits and Surpluses
Reports on Manpower Supply Indicators and Gaps
LEA and Application Data
Report on Area and LEA Expenditure Indicators and Gaps
Feasibility Test
Is The Base Case or Alternative Plan Feasible for Budget and Desired Indicator Policy ?
YES
NO
Indicator Gap Improvement Test
Is It Possible To Improve The Base Case or Alternative Plan's Indicator Gaps?
NO
YES
Objectives Revision Test
Should Budget Policy and/or Desired Indicator Policy Be Revised ?
YES
NO
Accept Base Case or Alternative Plan as the Final Plan
Form Alternative Set of Applications to be Funded
Budget Policies
Desired Indicator Levels
Alternative Plan
Reports on Programs, Graduates, and Expenditures
Reports on Budget Deficits and Surpluses
Reports on Manpower Supply Indicators and Gaps
Reports on Area and LEA Expenditure Indicators and Gaps

Manpower Needs Forecast Input

Occupation	Graduates Needed
Distributive	10,000
Health	8,000
Technical	12,000

LEA and Application Input Data

300 Applications for Continuing Programs and

100 Applications for New Programs

On each application, there is the following data:

1. Application Code

2. Type of Program

   CØNT = Continuing

   NEW = New

3. LEA Type

   CVS = County Vocational School

   AVTS = Area Vocational-Technical School

   SD = School District

4. Urban Code

   URBN = Urban

   NØT = Not Urban

5. Drop-out Rate Code

   HIGH = High Drop-out Rate

   LØW = Low Drop-out Rate

6. Unemployment Rate Code

   HIGH = High Unemployment Rate

   LØW = Low Unemployment Rate

7. Occupation Type

   DSTB = Distributive

   HLTH = Health

   TECH = Technical

8. Funding Source

   REG = Regular

   DIS = Disadvantaged

   HAND = Handicapped

9. Graduate capacity - the number of graduates the program could produced if fully funded.

10. Cost per graduate in Federal and/or State funds.

11. Total cost in Federal and/or State funds requested if the program is run at its graduate capacity. (9 x 10)

A listing of the example application data will appear in the computer print-outs to follow.

Budget Policy Input

Funding Source	Federal and State Funds Available
Regular	750,000
Disadvantaged	1,500,000
Handicapped	1,000,000

Desired Indicator Levels Input

Manpower Supply Indicators

Occupation	Percent Graduates to be Produced Versus Needed
Distributive	100
Health	100
Technical	100

Area and LEA Expenditure Indicators

Percent of Total Expenditures in Urban areas should be between 40 and 60.

Percent of Total Expenditures in High Drop-out Areas should be between 60 and 75.

Percent of Total Expenditures in High Unemployment Areas should be between 65 and 75.

Percent of Total Expenditures allocated to County Vocational Schools should be between 15 and 30.

Percent of Total Expenditures allocated to Area Vocational-Technical Schools should be between 30 and 40.

The Base Case

All continuing programs are fully funded at their capacities.

Each continuing program has the following data in addition to its input data:

1. Approval Code

   Full = Fully funded at capacity

2. Approval Percent

   100% = Fully funded

3. Approved graduated = Graduate capacity

4. Approved total cost = Total cost at capacity

BASE CASE - ALL CONTINUING PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
168	CONT	CVS	URBN	HIGH	LOW	DSTB	REG	45	78.38	3527	FULL	100.0	45	3527
51	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	41	62.45	2562	FULL	100.0	41	2562
108	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	54	59.30	3202	FULL	100.0	54	3202
161	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	42	70.19	2947	FULL	100.0	42	2947
236	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	45	68.21	3069	FULL	100.0	45	3069
63	CONT	CVS	NOT	HIGH	LOW	DSTB	REG	44	55.45	2439	FULL	100.0	44	2439
85	CONT	CVS	NOT	HIGH	LOW	DSTB	REG	48	69.94	3357	FULL	100.0	48	3357
9	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	52	71.61	3723	FULL	100.0	52	3723
45	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	53	67.07	3554	FULL	100.0	53	3554
185	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	49	63.45	3109	FULL	100.0	49	3109
21	CONT	CVS	NOT	LOW	LOW	DSTB	REG	50	66.87	3343	FULL	100.0	50	3343
41	CONT	CVS	NOT	LOW	LOW	DSTB	REG	41	54.91	2251	FULL	100.0	41	2251
78	CONT	CVS	NOT	LOW	LOW	DSTB	REG	38	71.83	2731	FULL	100.0	38	2731
102	CONT	CVS	NOT	LOW	LOW	DSTB	REG	37	66.18	2448	FULL	100.0	37	2448
160	CONT	CVS	NOT	LOW	LOW	DSTB	REG	54	70.58	3811	FULL	100.0	54	3811
182	CONT	CVS	NOT	LOW	LOW	DSTB	REG	45	54.21	2439	FULL	100.0	45	2439
244	CONT	CVS	NOT	LOW	LOW	DSTB	REG	44	55.44	2439	FULL	100.0	44	2439
60	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	53	69.90	3704	FULL	100.0	53	3704
269	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	51	66.08	3370	FULL	100.0	51	3370
275	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	39	62.45	2435	FULL	100.0	39	2435
111	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	52	66.73	3469	FULL	100.0	52	3469
146	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	36	75.77	2727	FULL	100.0	36	2727
204	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	40	66.75	2670	FULL	100.0	40	2670
266	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	49	74.50	3650	FULL	100.0	49	3650
268	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	37	64.13	2372	FULL	100.0	37	2372
200	CONT	AVTS	URBN	LOW	HIGH	DSTB	REG	45	71.62	3222	FULL	100.0	45	3222
210	CONT	AVTS	URBN	LOW	HIGH	DSTB	REG	46	73.31	3372	FULL	100.0	46	3372
64	CONT	AVTS	URBN	LOW	LOW	DSTB	REG	48	74.53	3577	FULL	100.0	48	3577
7	CONT	AVTS	NOT	HIGH	HIGH	DSTB	REG	46	66.21	3045	FULL	100.0	46	3045
291	CONT	AVTS	NOT	HIGH	HIGH	DSTB	REG	39	64.46	2513	FULL	100.0	39	2513
59	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	45	67.84	3052	FULL	100.0	45	3052
77	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	52	57.64	2997	FULL	100.0	52	2997
249	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	51	55.80	2845	FULL	100.0	51	2845
278	CONT	AVTS	NOT	LOW	HIGH	DSTB	REG	35	66.89	2341	FULL	100.0	35	2341
189	CONT	AVTS	NOT	LOW	LOW	DSTB	REG	36	58.77	2115	FULL	100.0	36	2115
25	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	41	73.16	2999	FULL	100.0	41	2999
70	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	37	77.51	2867	FULL	100.0	37	2867
83	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	50	68.87	3443	FULL	100.0	50	3443
144	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	36	64.73	2330	FULL	100.0	36	2330
151	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	48	64.64	3102	FULL	100.0	48	3102
226	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	47	75.90	3567	FULL	100.0	47	3567
233	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	42	68.82	2890	FULL	100.0	42	2890
239	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	37	79.72	2949	FULL	100.0	37	2949
258	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	35	73.66	2578	FULL	100.0	35	2578
261	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	49	79.76	3908	FULL	100.0	49	3908
274	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	39	60.58	2362	FULL	100.0	39	2362
10	CONT	SD	URBN	HIGH	LOW	DSTB	REG	52	66.93	3480	FULL	100.0	52	3480
56	CONT	SD	URBN	HIGH	LOW	DSTB	REG	35	66.10	2313	FULL	100.0	35	2313
95	CONT	SD	URBN	HIGH	LOW	DSTB	REG	51	77.39	3946	FULL	100.0	51	3946
187	CONT	SD	URBN	HIGH	LOW	DSTB	REG	38	69.01	2622	FULL	100.0	38	2622

BASE CASE - ALL CONTINUING PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	PROCOST	APPRV	PRCNT	APPGRAD	APPCOST
212	CONT	SD	URBN	HIGH	LOW	DSTB	REG	37	65.20	2412	FULL	100.0	37	2412
252	CONT	SD	URBN	HIGH	LOW	DSTB	REG	38	70.99	2697	FULL	100.0	38	2697
255	CONT	SD	URBN	HIGH	LOW	DSTB	REG	43	64.75	2784	FULL	100.0	43	2784
8	CONT	SD	URBN	LOW	HIGH	DSTB	REG	41	74.37	3049	FULL	100.0	41	3049
86	CONT	SD	URBN	LOW	HIGH	DSTB	REG	47	62.04	2915	FULL	100.0	47	2915
115	CONT	SD	URBN	LOW	HIGH	DSTB	REG	54	76.79	4146	FULL	100.0	54	4146
26	CONT	SD	URBN	LOW	LOW	DSTB	REG	50	80.81	4040	FULL	100.0	50	4040
287	CONT	SD	URBN	LOW	LOW	DSTB	REG	51	62.70	3197	FULL	100.0	51	3197
6	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	56.86	1990	FULL	100.0	35	1990
29	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	64.55	2259	FULL	100.0	35	2259
32	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	56.37	1972	FULL	100.0	35	1972
57	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	51	71.98	3670	FULL	100.0	51	3670
116	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	47	66.99	3148	FULL	100.0	47	3148
286	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	49	67.90	3327	FULL	100.0	49	3327
227	CONT	SD	NOT	HIGH	LOW	DSTB	REG	37	70.26	2599	FULL	100.0	37	2599
257	CONT	SD	NOT	HIGH	LOW	DSTB	REG	54	68.83	3716	FULL	100.0	54	3716
12	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	67.17	2552	FULL	100.0	38	2552
55	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	65.07	2472	FULL	100.0	38	2472
91	CONT	SD	NOT	LOW	HIGH	DSTB	REG	44	57.81	2543	FULL	100.0	44	2543
119	CONT	SD	NOT	LOW	HIGH	DSTB	REG	48	55.33	2655	FULL	100.0	48	2655
209	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	61.08	2321	FULL	100.0	38	2321
1	CONT	SD	NOT	LOW	LOW	DSTB	REG	53	71.19	3773	FULL	100.0	53	3773
14	CONT	SD	NOT	LOW	LOW	DSTB	REG	37	60.33	2232	FULL	100.0	37	2232
61	CONT	SD	NOT	LOW	LOW	DSTB	REG	46	72.69	3343	FULL	100.0	46	3343
101	CONT	SD	NOT	LOW	LOW	DSTB	REG	49	59.37	2909	FULL	100.0	49	2909
264	CONT	SD	NOT	LOW	LOW	DSTB	REG	52	54.30	2823	FULL	100.0	52	2823
270	CONT	SD	NOT	LOW	LOW	DSTB	REG	52	60.50	3146	FULL	100.0	52	3146
238	CONT	CVS	URBN	LOW	HIGH	HLTH	REG	36	88.18	3174	FULL	100.0	36	3174
271	CONT	CVS	NOT	HIGH	HIGH	HLTH	REG	25	81.98	2049	FULL	100.0	25	2049
30	CONT	CVS	NOT	LOW	LOW	HLTH	REG	25	92.06	2301	FULL	100.0	25	2301
157	CONT	AVTS	URBN	HIGH	LOW	HLTH	REG	39	88.94	3468	FULL	100.0	39	3468
198	CONT	AVTS	URBN	HIGH	LOW	HLTH	REG	26	93.92	2441	FULL	100.0	26	2441
219	CONT	AVTS	NOT	HIGH	LOW	HLTH	REG	35	87.99	3149	FULL	100.0	35	3149
52	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	36	95.86	3450	FULL	100.0	36	3450
211	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	29	100.98	2928	FULL	100.0	29	2928
248	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	38	86.31	3279	FULL	100.0	38	3279
143	CONT	SD	URBN	LOW	LOW	HLTH	REG	28	82.55	2311	FULL	100.0	28	2311
24	CONT	SD	NOT	HIGH	LOW	HLTH	REG	32	74.54	2385	FULL	100.0	32	2385
67	CONT	SD	NOT	LOW	HIGH	HLTH	REG	31	75.02	2325	FULL	100.0	31	2325
5	CONT	SD	NOT	LOW	LOW	HLTH	REG	35	93.51	3272	FULL	100.0	35	3272
165	CONT	SD	NOT	LOW	LOW	HLTH	REG	28	79.21	2217	FULL	100.0	28	2217
223	CONT	SD	NOT	LOW	LOW	HLTH	REG	26	86.56	2250	FULL	100.0	26	2250
133	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	66	70.40	4646	FULL	100.0	66	4646
194	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	53	70.08	3714	FULL	100.0	53	3714
285	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	73	71.69	5233	FULL	100.0	73	5233
299	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	54	80.12	4326	FULL	100.0	54	4326
284	CONT	CVS	URBN	HIGH	LOW	TECH	REG	53	82.93	4395	FULL	100.0	53	4395
184	CONT	CVS	URBN	LOW	HIGH	TECH	REG	48	81.59	3916	FULL	100.0	48	3916
75	CONT	CVS	URBN	LOW	LOW	TECH	REG	48	88.75	4260	FULL	100.0	48	4260
139	CONT	CVS	URBN	LOW	LOW	TECH	REG	50	78.74	3936	FULL	100.0	50	3936

RUN CASE - ALL CONTINUING PARAMETERS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQUEST	APPRV	PRONT	APPGRAD	APPCOST
49	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	66	71.30	4705	FULL	100.0	66	4705
92	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	66	75.01	4950	FULL	100.0	66	4950
173	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	72	73.45	5288	FULL	100.0	72	5288
65	CONT	CVS	NOT	HIGH	LOW	TECH	REG	54	73.28	3994	FULL	100.0	54	3994
80	CONT	CVS	NOT	HIGH	LOW	TECH	REG	64	75.06	4803	FULL	100.0	64	4803
158	CONT	CVS	NOT	HIGH	LOW	TECH	REG	45	78.65	3539	FULL	100.0	45	3539
217	CONT	CVS	NOT	HIGH	LOW	TECH	REG	65	64.07	4164	FULL	100.0	65	4164
3	CONT	CVS	NOT	LOW	HIGH	TECH	REG	52	65.02	3381	FULL	100.0	52	3381
28	CONT	CVS	NOT	LOW	HIGH	TECH	REG	53	81.09	4297	FULL	100.0	53	4297
164	CONT	CVS	NOT	LOW	HIGH	TECH	REG	54	68.67	3708	FULL	100.0	54	3708
175	CONT	CVS	NOT	LOW	HIGH	TECH	REG	68	75.97	5165	FULL	100.0	68	5165
4	CONT	CVS	NOT	LOW	LOW	TECH	REG	56	81.22	4548	FULL	100.0	56	4548
42	CONT	CVS	NOT	LOW	LOW	TECH	REG	67	78.99	5292	FULL	100.0	67	5292
73	CONT	CVS	NOT	LOW	LOW	TECH	REG	67	64.32	4309	FULL	100.0	67	4309
106	CONT	CVS	NOT	LOW	LOW	TECH	REG	69	70.05	4833	FULL	100.0	69	4833
113	CONT	CVS	NOT	LOW	LOW	TECH	REG	50	67.40	3369	FULL	100.0	50	3369
125	CONT	CVS	NOT	LOW	LOW	TECH	REG	47	81.02	3807	FULL	100.0	47	3807
245	CONT	CVS	NOT	LOW	LOW	TECH	REG	60	82.57	4954	FULL	100.0	60	4954
47	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	53	74.39	3942	FULL	100.0	53	3942
119	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	49	89.21	4371	FULL	100.0	49	4371
126	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	63	87.47	5510	FULL	100.0	63	5510
152	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	88.10	6078	FULL	100.0	69	6078
203	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	87.34	6026	FULL	100.0	69	6026
208	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	89.27	6159	FULL	100.0	69	6159
250	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	67	86.91	5950	FULL	100.0	67	5950
178	CONT	AVTS	URBN	LOW	HIGH	TECH	REG	72	70.22	5063	FULL	100.0	72	5063
272	CONT	AVTS	URBN	LOW	HIGH	TECH	REG	70	78.79	5515	FULL	100.0	70	5515
69	CONT	AVTS	URBN	LOW	LOW	TECH	REG	66	81.25	5362	FULL	100.0	66	5362
166	CONT	AVTS	URBN	LOW	LOW	TECH	REG	63	80.61	5078	FULL	100.0	63	5078
176	CONT	AVTS	URBN	LOW	LOW	TECH	REG	53	82.75	4385	FULL	100.0	53	4385
33	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	47	65.78	3091	FULL	100.0	47	3091
87	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	69	66.78	4607	FULL	100.0	69	4607
128	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	64	65.22	4174	FULL	100.0	64	4174
137	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	57	71.45	4072	FULL	100.0	57	4072
205	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	55	73.42	4038	FULL	100.0	55	4038
36	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	55	73.13	4022	FULL	100.0	55	4022
156	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	65	82.10	5336	FULL	100.0	65	5336
207	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	60	74.16	4449	FULL	100.0	60	4449
141	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	55	65.82	3620	FULL	100.0	55	3620
142	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	64	79.09	5061	FULL	100.0	64	5061
220	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	50	82.34	4116	FULL	100.0	50	4116
232	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	58	66.37	3849	FULL	100.0	58	3849
251	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	71	66.10	4693	FULL	100.0	71	4693
296	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	51	79.28	4043	FULL	100.0	51	4043
94	CONT	AVTS	NOT	LOW	LOW	TECH	REG	69	77.52	5348	FULL	100.0	69	5348
112	CONT	AVTS	NOT	LOW	LOW	TECH	REG	66	72.37	4776	FULL	100.0	66	4776
234	CONT	AVTS	NOT	LOW	LOW	TECH	REG	72	74.15	5338	FULL	100.0	72	5338
298	CONT	AVTS	NOT	LOW	LOW	TECH	REG	74	67.20	4972	FULL	100.0	74	4972
19	CONT	SD	URBN	HIGH	HIGH	TECH	REG	50	75.22	3760	FULL	100.0	50	3760
46	CONT	SD	URBN	HIGH	HIGH	TECH	REG	66	88.04	5810	FULL	100.0	66	5810

BASE CASE - ALL CONTINUING PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
53	CONT	SD	URBN	HIGH	HIGH	TECH	REG	70	83.17	5821	FULL	100.0	70	5821
93	CONT	SD	URBN	HIGH	HIGH	TECH	REG	67	74.59	4997	FULL	100.0	67	4997
97	CONT	SD	URBN	HIGH	HIGH	TECH	REG	48	82.95	3981	FULL	100.0	48	3981
98	CONT	SD	URBN	HIGH	HIGH	TECH	REG	60	81.19	4871	FULL	100.0	60	4871
122	CONT	SD	URBN	HIGH	HIGH	TECH	REG	46	89.43	4113	FULL	100.0	46	4113
132	CONT	SD	URBN	HIGH	HIGH	TECH	REG	53	80.53	4269	FULL	100.0	53	4269
138	CONT	SD	URBN	HIGH	HIGH	TECH	REG	73	80.26	5858	FULL	100.0	73	5858
145	CONT	SD	URBN	HIGH	HIGH	TECH	REG	56	80.29	4496	FULL	100.0	56	4496
153	CONT	SD	URBN	HIGH	HIGH	TECH	REG	59	91.92	5423	FULL	100.0	59	5423
174	CONT	SD	URBN	HIGH	HIGH	TECH	REG	64	81.90	5241	FULL	100.0	64	5241
177	CONT	SD	URBN	HIGH	HIGH	TECH	REG	71	85.31	6057	FULL	100.0	71	6057
181	CONT	SD	URBN	HIGH	HIGH	TECH	REG	64	88.65	5673	FULL	100.0	64	5673
197	CONT	SD	URBN	HIGH	HIGH	TECH	REG	67	80.90	5420	FULL	100.0	67	5420
199	CONT	SD	URBN	HIGH	HIGH	TECH	REG	51	89.62	4570	FULL	100.0	51	4570
201	CONT	SD	URBN	HIGH	HIGH	TECH	REG	68	90.90	6181	FULL	100.0	68	6181
221	CONT	SD	URBN	HIGH	HIGH	TECH	REG	66	91.64	6048	FULL	100.0	66	6048
228	CONT	SD	URBN	HIGH	HIGH	TECH	REG	56	88.91	4978	FULL	100.0	56	4978
240	CONT	SD	URBN	HIGH	HIGH	TECH	REG	50	84.28	4213	FULL	100.0	50	4213
246	CONT	SD	URBN	HIGH	HIGH	TECH	REG	53	86.22	4569	FULL	100.0	53	4569
256	CONT	SD	URBN	HIGH	HIGH	TECH	REG	59	80.91	4773	FULL	100.0	59	4773
267	CONT	SD	URBN	HIGH	HIGH	TECH	REG	47	70.54	3315	FULL	100.0	47	3315
279	CONT	SD	URBN	HIGH	HIGH	TECH	REG	47	76.14	3578	FULL	100.0	47	3578
35	CONT	SD	URBN	HIGH	LOW	TECH	REG	61	86.67	5286	FULL	100.0	61	5286
82	CONT	SD	URBN	HIGH	LOW	TECH	REG	68	78.97	5369	FULL	100.0	68	5369
84	CONT	SD	URBN	HIGH	LOW	TECH	REG	54	70.39	3801	FULL	100.0	54	3801
123	CONT	SD	URBN	HIGH	LOW	TECH	REG	46	84.32	3878	FULL	100.0	46	3878
147	CONT	SD	URBN	HIGH	LOW	TECH	REG	59	70.12	4137	FULL	100.0	59	4137
206	CONT	SD	URBN	HIGH	LOW	TECH	REG	61	89.76	5475	FULL	100.0	61	5475
229	CONT	SD	URBN	HIGH	LOW	TECH	REG	67	74.91	5018	FULL	100.0	67	5018
262	CONT	SD	URBN	HIGH	LOW	TECH	REG	73	83.98	6130	FULL	100.0	73	6130
292	CONT	SD	URBN	HIGH	LOW	TECH	REG	59	84.16	4965	FULL	100.0	59	4965
193	CONT	SD	URBN	LOW	HIGH	TECH	REG	70	90.68	6347	FULL	100.0	70	6347
243	CONT	SD	URBN	LOW	HIGH	TECH	REG	63	83.51	5261	FULL	100.0	63	5261
290	CONT	SD	URBN	LOW	HIGH	TECH	REG	74	74.35	5501	FULL	100.0	74	5501
54	CONT	SD	NOT	HIGH	HIGH	TECH	REG	68	82.12	5584	FULL	100.0	68	5584
104	CONT	SD	NOT	HIGH	HIGH	TECH	REG	57	65.04	3707	FULL	100.0	57	3707
134	CONT	SD	NOT	HIGH	HIGH	TECH	REG	49	70.46	3452	FULL	100.0	49	3452
140	CONT	SD	NOT	HIGH	HIGH	TECH	REG	46	66.59	3063	FULL	100.0	46	3063
179	CONT	SD	NOT	HIGH	HIGH	TECH	REG	67	74.77	5009	FULL	100.0	67	5009
237	CONT	SD	NOT	HIGH	HIGH	TECH	REG	49	75.76	3712	FULL	100.0	49	3712
15	CONT	SD	NOT	HIGH	LOW	TECH	REG	52	72.20	3754	FULL	100.0	52	3754
48	CONT	SD	NOT	HIGH	LOW	TECH	REG	58	67.30	3903	FULL	100.0	58	3903
75	CONT	SD	NOT	HIGH	LOW	TECH	REG	54	75.30	4066	FULL	100.0	54	4066
109	CONT	SD	NOT	HIGH	LOW	TECH	REG	50	80.55	4027	FULL	100.0	50	4027
190	CONT	SD	NOT	HIGH	LOW	TECH	REG	60	83.84	5030	FULL	100.0	60	5030
213	CONT	SD	NOT	HIGH	LOW	TECH	REG	58	64.33	3731	FULL	100.0	58	3731
230	CONT	SD	NOT	HIGH	LOW	TECH	REG	45	66.77	3004	FULL	100.0	45	3004
294	CONT	SD	NOT	HIGH	LOW	TECH	REG	55	75.56	4155	FULL	100.0	55	4155
297	CONT	SD	NOT	HIGH	LOW	TECH	REG	70	71.09	4976	FULL	100.0	70	4976
17	CONT	SD	NOT	LOW	HIGH	TECH	REG	53	81.16	4707	FULL	100.0	58	4707

BASE CASE - ALL CONTINUING PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
34	CONT	SD	NOT	LOW	HIGH	TECH	REG	66	77.58	5120	FULL	100.0	66	5120
50	CONT	SD	NOT	LOW	HIGH	TECH	REG	54	70.10	3785	FULL	100.0	54	3785
162	CONT	SD	NOT	LOW	HIGH	TECH	REG	59	81.44	4804	FULL	100.0	59	4804
163	CONT	SD	NOT	LOW	HIGH	TECH	REG	50	72.98	3648	FULL	100.0	50	3648
170	CONT	SD	NOT	LOW	HIGH	TECH	REG	60	71.77	4306	FULL	100.0	60	4306
247	CONT	SD	NOT	LOW	HIGH	TECH	REG	64	70.00	4480	FULL	100.0	64	4480
277	CONT	SD	NOT	LOW	HIGH	TECH	REG	55	65.65	3610	FULL	100.0	55	3610
289	CONT	SD	NOT	LOW	HIGH	TECH	REG	63	72.25	4551	FULL	100.0	63	4551
39	CONT	SD	NOT	LOW	LOW	TECH	REG	65	77.20	5017	FULL	100.0	65	5017
40	CONT	SD	NOT	LOW	LOW	TECH	REG	47	76.62	3601	FULL	100.0	47	3601
43	CONT	SD	NOT	LOW	LOW	TECH	REG	66	81.94	5408	FULL	100.0	66	5408
58	CONT	SD	NOT	LOW	LOW	TECH	REG	66	72.94	4814	FULL	100.0	66	4814
71	CONT	SD	NOT	LOW	LOW	TECH	REG	52	66.17	3440	FULL	100.0	52	3440
89	CONT	SD	NOT	LOW	LOW	TECH	REG	46	68.19	3136	FULL	100.0	46	3136
100	CONT	SD	NOT	LOW	LOW	TECH	REG	53	79.32	4203	FULL	100.0	53	4203
105	CONT	SD	NOT	LOW	LOW	TECH	REG	63	69.84	4399	FULL	100.0	63	4399
260	CONT	SD	NOT	LOW	LOW	TECH	REG	57	78.64	4482	FULL	100.0	57	4482
281	CONT	SD	NOT	LOW	LOW	TECH	REG	63	68.63	4323	FULL	100.0	63	4323
263	CONT	CVS	NOT	HIGH	HIGH	DSTB	DIS	87	347.08	30195	FULL	100.0	87	30195
16	CONT	CVS	NOT	LOW	LOW	DSTB	DIS	88	370.16	32574	FULL	100.0	88	32574
68	CONT	AVTS	URBN	HIGH	HIGH	DSTB	DIS	95	400.02	38001	FULL	100.0	95	38001
167	CONT	AVTS	URBN	HIGH	HIGH	DSTB	DIS	94	411.30	38662	FULL	100.0	94	38662
180	CONT	AVTS	URBN	HIGH	LOW	DSTB	DIS	88	408.39	35938	FULL	100.0	88	35938
13	CONT	AVTS	NOT	HIGH	LOW	DSTB	DIS	96	369.73	35494	FULL	100.0	96	35494
44	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	88	397.30	34962	FULL	100.0	88	34962
90	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	82	414.09	33955	FULL	100.0	82	33955
155	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	94	399.17	37521	FULL	100.0	94	37521
231	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	90	410.74	36966	FULL	100.0	90	36966
27	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	93	402.82	37462	FULL	100.0	93	37462
276	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	77	402.67	31005	FULL	100.0	77	31005
293	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	81	380.91	30853	FULL	100.0	81	30853
135	CONT	SD	NOT	HIGH	HIGH	DSTB	DIS	94	343.10	32721	FULL	100.0	94	32721
121	CONT	SD	NOT	LOW	LOW	DSTB	DIS	85	343.01	29155	FULL	100.0	85	29155
129	CONT	SD	NOT	LOW	LOW	DSTB	DIS	98	374.35	36687	FULL	100.0	98	36687
103	CONT	AVTS	NOT	LOW	LOW	HLTH	DIS	80	378.24	30259	FULL	100.0	80	30259
37	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	68	406.87	27667	FULL	100.0	68	27667
235	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	79	409.23	32329	FULL	100.0	79	32329
282	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	81	434.23	35172	FULL	100.0	81	35172
218	CONT	SD	URBN	LOW	HIGH	HLTH	DIS	71	433.39	30770	FULL	100.0	71	30770
300	CONT	SD	NOT	HIGH	LOW	HLTH	DIS	76	376.82	28639	FULL	100.0	76	28639
172	CONT	SD	NOT	LOW	HIGH	HLTH	DIS	84	386.35	32453	FULL	100.0	84	32453
171	CONT	SD	NOT	LOW	LOW	HLTH	DIS	80	399.49	31959	FULL	100.0	80	31959
191	CONT	CVS	URBN	HIGH	HIGH	TECH	DIS	95	418.84	39789	FULL	100.0	95	39789
74	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	99	385.87	38201	FULL	100.0	99	38201
186	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	86	364.11	31313	FULL	100.0	86	31313
295	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	93	366.72	34104	FULL	100.0	93	34104
60	CONT	CVS	NOT	LOW	HIGH	TECH	DIS	93	361.09	33581	FULL	100.0	93	33581
23	CONT	CVS	NOT	LOW	LOW	TECH	DIS	104	374.67	38965	FULL	100.0	104	38965
225	CONT	CVS	NOT	LOW	LOW	TECH	DIS	106	380.02	40282	FULL	100.0	106	40282
222	CONT	AVTS	URBN	HIGH	LOW	TECH	DIS	101	389.17	39205	FULL	100.0	101	39205

BASE CASE - ALL CONTINUING PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
62	CONT	AVTS	URBN	LOW	HIGH	TECH	DIS	87	423.69	36861	FULL	100.0	87	36861
110	CONT	AVTS	NOT	HIGH	HIGH	TECH	DIS	109	351.55	38318	FULL	100.0	109	38318
188	CONT	AVTS	NOT	HIGH	HIGH	TECH	DIS	106	354.15	37963	FULL	100.0	106	37963
114	CONT	AVTS	NOT	HIGH	LOW	TECH	DIS	98	365.74	35842	FULL	100.0	98	35842
183	CONT	AVTS	NOT	LOW	HIGH	TECH	DIS	109	381.55	41588	FULL	100.0	109	41588
91	CONT	AVTS	NOT	LOW	LOW	TECH	DIS	104	362.10	37658	FULL	100.0	104	37658
169	CONT	AVTS	NOT	LOW	LOW	TECH	DIS	100	380.34	38033	FULL	100.0	100	38033
18	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	101	410.78	41488	FULL	100.0	101	41488
124	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	87	407.90	35487	FULL	100.0	87	35487
131	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	103	402.44	41451	FULL	100.0	103	41451
207	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	85	386.03	32682	FULL	100.0	85	32682
273	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	91	427.27	38881	FULL	100.0	91	38881
88	CONT	SD	URBN	HIGH	LOW	TECH	DIS	103	394.71	40655	FULL	100.0	103	40655
154	CONT	SD	URBN	HIGH	LOW	TECH	DIS	96	423.01	40608	FULL	100.0	96	40608
192	CONT	SD	URBN	HIGH	LOW	TECH	DIS	107	399.27	42721	FULL	100.0	107	42721
254	CONT	SD	URBN	HIGH	LOW	TECH	DIS	106	405.82	43016	FULL	100.0	106	43016
38	CONT	SD	URBN	LOW	HIGH	TECH	DIS	99	407.85	40377	FULL	100.0	99	40377
280	CONT	SD	URBN	LOW	HIGH	TECH	DIS	92	396.07	36438	FULL	100.0	92	36438
253	CONT	SD	NOT	HIGH	HIGH	TECH	DIS	98	353.86	34678	FULL	100.0	98	34678
293	CONT	SD	NOT	HIGH	HIGH	TECH	DIS	91	384.89	35024	FULL	100.0	91	35024
224	CONT	SD	NOT	LOW	HIGH	TECH	DIS	107	351.67	37650	FULL	100.0	107	37650
259	CONT	SD	NOT	LOW	HIGH	TECH	DIS	101	354.99	35853	FULL	100.0	101	35853
96	CONT	SD	NOT	LOW	LOW	TECH	DIS	94	370.79	34854	FULL	100.0	94	34854
196	CONT	CVS	NOT	HIGH	LOW	DSTB	HAND	72	420.80	30297	FULL	100.0	72	30297
136	CONT	CVS	NOT	LOW	LOW	DSTB	HAND	74	421.21	31169	FULL	100.0	74	31169
241	CONT	AVTS	NOT	LOW	LOW	DSTB	HAND	72	433.26	31194	FULL	100.0	72	31194
22	CONT	SD	URBN	HIGH	LOW	DSTB	HAND	69	473.69	32684	FULL	100.0	69	32684
159	CONT	CVS	NOT	LOW	HIGH	HLTH	HAND	61	430.52	26261	FULL	100.0	61	26261
242	CONT	AVTS	URBN	LOW	HIGH	HLTH	HAND	57	472.59	26937	FULL	100.0	57	26937
265	CONT	AVTS	URBN	LOW	LOW	HLTH	HAND	63	491.67	30975	FULL	100.0	63	30975
107	CONT	SD	NOT	HIGH	LOW	HLTH	HAND	55	440.58	24672	FULL	100.0	56	24672
117	CONT	CVS	URBN	HIGH	LOW	TECH	HAND	92	480.35	44192	FULL	100.0	92	44192
31	CONT	CVS	NOT	LOW	LOW	TECH	HAND	76	432.49	32869	FULL	100.0	76	32869
11	CONT	AVTS	URBN	HIGH	HIGH	TECH	HAND	91	461.05	41955	FULL	100.0	91	41955
127	CONT	AVTS	URBN	HIGH	HIGH	TECH	HAND	92	463.31	43084	FULL	100.0	92	43084
195	CONT	AVTS	URBN	HIGH	LOW	TECH	HAND	74	458.89	33957	FULL	100.0	74	33957
72	CONT	AVTS	NOT	LOW	HIGH	TECH	HAND	77	442.46	34069	FULL	100.0	77	34069
90	CONT	AVTS	NOT	LOW	LOW	TECH	HAND	79	427.91	33804	FULL	100.0	79	33804
150	CONT	AVTS	NOT	LOW	LOW	TECH	HAND	84	420.72	35340	FULL	100.0	84	35340
214	CONT	SD	URBN	HIGH	HIGH	TECH	HAND	78	456.86	35635	FULL	100.0	78	35635
130	CONT	SD	URBN	LOW	HIGH	TECH	HAND	91	484.83	44119	FULL	100.0	91	44119
143	CONT	SD	URBN	LOW	HIGH	TECH	HAND	82	479.53	39321	FULL	100.0	82	39321
216	CONT	SD	URBN	LOW	LOW	TECH	HAND	89	483.49	43030	FULL	100.0	89	43030
288	CONT	SD	URBN	LOW	LOW	TECH	HAND	74	461.69	34165	FULL	100.0	74	34165
20	CONT	SD	NOT	HIGH	HIGH	TECH	HAND	85	418.68	35597	FULL	100.0	85	35597
79	CONT	SD	NOT	HIGH	HIGH	TECH	HAND	89	415.41	36971	FULL	100.0	89	36971
215	CONT	SD	NOT	HIGH	LOW	TECH	HAND	83	444.09	36859	FULL	100.0	83	36859
120	CONT	SD	NOT	LOW	HIGH	TECH	HAND	75	421.62	31621	FULL	100.0	75	31621
2	CONT	SD	NOT	LOW	LOW	TECH	HAND	74	421.42	31185	FULL	100.0	74	31185
149	CONT	SD	NOT	LOW	LOW	TECH	HAND	87	442.65	38510	FULL	100.0	87	38510

BASE CASE - ALL CONTINUING PROGRAMS AT THEIR MAXIMUMS

PROGRAM AND EXPENDITURE REPORT

BUDGET	PROGRAMS CONT	PROGRAMS NEW	PROGRAMS TOTAL	EXPENDITURES ALLOCATED	EXPENDITURES AVAILABLE	AVEBLE-ALLOC
REG	218	0	218	843938	750000	-93838
DIS	55	0	55	1975265	1500000	-475265
HAND	27	0	27	940462	1000000	59538
TOTAL				3764565		

MANPOWER SUPPLY INDICATOR REPORT

MANPOWER	GRADUATES PRODUCED	GRADUATES NEEDED	PERCENT	DESIRED PERCENT	GAP
DSTB	5135	10000	51.3	100.0	48.7
HLTH	1325	8000	16.6	100.0	83.4
TECH	12119	12000	101.0	100.0	-1.0

URBAN - AREA INDICATOR REPORT

AREA	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
URBN	1888066	50.2	40.0	60.0
NOT	1876499	49.8		
TOTAL	3764565			

DROP-OUT - AREA INDICATOR REPORT

DROP-OUT	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
HIGH	2103701	55.9	60.0	75.0
LOW	1660864	44.1		
TOTAL	3764565			

UNEMPLOYMENT - AREA INDICATOR REPORT

UNEMPLY	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
HIGH	2160237	57.4	65.0	75.0
LOW	1604328	42.6		
TOTAL	3764565			

LEA TYPE INDICATOR REPORT

LEA TYP	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
CVS	655750	17.4	15.0	20.0
AVTS	1000715	26.6	30.0	
SD	2108051	56.0		
TOTAL	3764565			

Analysis of the Base Case

Budget Policy

- Deficits in Regular and Disadvantaged
- Surplus in Handicapped

Area and LEA Expenditure Indicators

- Feasible for Urban (between desired minimum and desired maximum)
- Infeasible for High Drop-out (less than desired minimum)
- Infeasible for High Unemployment (less than desired minimum)
- Feasible for County Vocational Schools (between desired minimum)
- Infeasible for Area Vocational-Technical Schools (less than desired minimum)

Manpower Supply Indicators

- Under-supply for Distributive and Health
- Slight over-supply for Technical.

The Full Alternative Plan

All continuing and new programs are fully funded at their capacities.

Each continuing and new program has the following data in addition to its input data:

1. Approval Code

   Full = Fully funded at capacity

2. Approval Percent

   100% = Fully funded

3. Approved graduates = Graduate capacity.

4. Approved total cost = Total cost at capacity.

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
168	CONT	CVS	URBN	HIGH	LOW	DSTB	REG	45	78.38	3527	FULL	100.0	45	3527
51	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	41	62.49	2562	FULL	100.0	41	2562
108	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	54	59.30	3202	FULL	100.0	54	3202
161	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	42	70.19	2947	FULL	100.0	42	2947
236	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	45	68.21	3069	FULL	100.0	45	3069
63	CONT	CVS	NOT	HIGH	LOW	DSTB	REG	44	55.45	2439	FULL	100.0	44	2439
85	CONT	CVS	NOT	HIGH	LOW	DSTB	REG	48	69.94	3357	FULL	100.0	48	3357
9	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	52	71.61	3723	FULL	100.0	52	3723
45	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	53	67.07	3554	FULL	100.0	53	3554
185	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	49	63.45	3109	FULL	100.0	49	3109
21	CONT	CVS	NOT	LOW	LOW	DSTB	REG	50	66.87	3343	FULL	100.0	50	3343
41	CONT	CVS	NOT	LOW	LOW	DSTB	REG	41	54.91	2251	FULL	100.0	41	2251
78	CONT	CVS	NOT	LOW	LOW	DSTB	REG	38	71.88	2731	FULL	100.0	38	2731
102	CONT	CVS	NOT	LOW	LOW	DSTB	REG	37	66.18	2448	FULL	100.0	37	2448
160	CONT	CVS	NOT	LOW	LOW	DSTB	REG	54	70.58	3811	FULL	100.0	54	3811
182	CONT	CVS	NOT	LOW	LOW	DSTB	REG	45	54.21	2439	FULL	100.0	45	2439
244	CONT	CVS	NOT	LOW	LOW	DSTB	REG	44	55.44	2439	FULL	100.0	44	2439
60	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	53	69.90	3704	FULL	100.0	53	3704
269	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	51	66.08	3370	FULL	100.0	51	3370
275	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	39	62.45	2435	FULL	100.0	39	2435
111	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	52	66.73	3469	FULL	100.0	52	3469
146	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	36	75.77	2727	FULL	100.0	36	2727
204	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	40	66.75	2670	FULL	100.0	40	2670
266	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	49	74.50	3650	FULL	100.0	49	3650
268	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	37	64.13	2372	FULL	100.0	37	2372
200	CONT	AVTS	URBN	LOW	HIGH	DSTB	REG	45	71.62	3222	FULL	100.0	45	3222
210	CONT	AVTS	URBN	LOW	HIGH	DSTB	REG	46	73.31	3372	FULL	100.0	46	3372
64	CONT	AVTS	URBN	LOW	LOW	DSTB	REG	48	74.53	3577	FULL	100.0	48	3577
7	CONT	AVTS	NOT	HIGH	HIGH	DSTB	REG	46	66.21	3045	FULL	100.0	46	3045
291	CONT	AVTS	NOT	HIGH	HIGH	DSTB	REG	39	64.46	2513	FULL	100.0	39	2513
59	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	45	67.84	3052	FULL	100.0	45	3052
77	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	52	57.64	2997	FULL	100.0	52	2997
249	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	51	55.80	2845	FULL	100.0	51	2845
278	CONT	AVTS	NOT	LOW	HIGH	DSTB	REG	35	66.89	2341	FULL	100.0	35	2341
189	CONT	AVTS	NOT	LOW	LOW	DSTB	REG	36	58.77	2115	FULL	100.0	36	2115
25	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	41	73.16	2999	FULL	100.0	41	2999
70	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	37	77.51	2867	FULL	100.0	37	2867
83	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	50	68.87	3443	FULL	100.0	50	3443
144	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	36	64.73	2330	FULL	100.0	36	2330
151	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	48	64.64	3102	FULL	100.0	48	3102
226	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	47	75.90	3567	FULL	100.0	47	3567
233	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	42	68.82	2890	FULL	100.0	42	2890
239	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	37	79.72	2949	FULL	100.0	37	2949
258	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	35	73.66	2578	FULL	100.0	35	2578
261	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	49	79.76	3908	FULL	100.0	49	3908
274	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	39	60.53	2362	FULL	100.0	39	2362
10	CONT	SD	URBN	HIGH	LOW	DSTB	REG	52	66.93	3480	FULL	100.0	52	3480
56	CONT	SD	URBN	HIGH	LOW	DSTB	REG	35	66.10	2313	FULL	100.0	35	2313
95	CONT	SD	URBN	HIGH	LOW	DSTB	REG	51	77.39	3946	FULL	100.0	51	3946
187	CONT	SD	URBN	HIGH	LOW	DSTB	REG	38	69.01	2622	FULL	100.0	38	2622

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
212	CONT	SD	URBN	HIGH	LOW	DSTB	REG	37	65.20	2412	FULL	100.0	37	2412
252	CONT	SD	URBN	HIGH	LOW	DSTB	REG	38	70.93	2697	FULL	100.0	38	2697
255	CONT	SD	URBN	HIGH	LOW	DSTB	REG	43	64.75	2784	FULL	100.0	43	2784
8	CONT	SD	URBN	LOW	HIGH	DSTB	REG	41	74.37	3049	FULL	100.0	41	3049
86	CONT	SD	URBN	LOW	HIGH	DSTB	REG	47	62.04	2915	FULL	100.0	47	2915
115	CONT	SD	URBN	LOW	HIGH	DSTB	REG	54	76.79	4146	FULL	100.0	54	4146
26	CONT	SD	URBN	LOW	LOW	DSTB	REG	50	80.81	4040	FULL	100.0	50	4040
287	CONT	SD	URBN	LOW	LOW	DSTB	REG	51	62.70	3197	FULL	100.0	51	3197
6	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	56.86	1990	FULL	100.0	35	1990
29	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	64.55	2259	FULL	100.0	35	2259
32	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	56.37	1972	FULL	100.0	35	1972
57	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	51	71.98	3670	FULL	100.0	51	3670
116	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	47	66.99	3148	FULL	100.0	47	3149
286	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	49	67.90	3327	FULL	100.0	49	3327
227	CONT	SD	NOT	HIGH	LOW	DSTB	REG	37	70.26	2599	FULL	100.0	37	2599
257	CONT	SD	NOT	HIGH	LOW	DSTB	REG	54	68.83	3716	FULL	100.0	54	3716
12	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	67.17	2552	FULL	100.0	38	2552
55	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	65.07	2472	FULL	100.0	38	2472
91	CONT	SD	NOT	LOW	HIGH	DSTB	REG	44	57.81	2543	FULL	100.0	44	2543
118	CONT	SD	NOT	LOW	HIGH	DSTB	REG	48	55.33	2655	FULL	100.0	48	2655
209	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	61.08	2321	FULL	100.0	38	2321
1	CONT	SD	NOT	LOW	LOW	DSTB	REG	53	71.19	3773	FULL	100.0	53	3773
14	CONT	SD	NOT	LOW	LOW	DSTB	REG	37	60.33	2232	FULL	100.0	37	2232
61	CONT	SD	NOT	LOW	LOW	DSTB	REG	46	72.69	3343	FULL	100.0	46	3343
101	CONT	SD	NOT	LOW	LOW	DSTB	REG	49	59.37	2909	FULL	100.0	49	2909
264	CONT	SD	NOT	LOW	LOW	DSTB	REG	52	54.30	2823	FULL	100.0	52	2823
270	CONT	SD	NOT	LOW	LOW	DSTB	REG	52	60.50	3146	FULL	100.0	52	3146
238	CONT	CVS	URBN	LOW	HIGH	HLTH	REG	36	88.18	3174	FULL	100.0	36	3174
271	CONT	CVS	NOT	HIGH	HIGH	HLTH	REG	25	81.98	2049	FULL	100.0	25	2049
30	CONT	CVS	NOT	LOW	LOW	HLTH	REG	25	92.06	2301	FULL	100.0	25	2301
157	CONT	AVTS	URBN	HIGH	LOW	HLTH	REG	39	88.94	3468	FULL	100.0	39	3468
198	CONT	AVTS	URBN	HIGH	LOW	HLTH	REG	26	93.92	2441	FULL	100.0	26	2441
219	CONT	AVTS	NOT	HIGH	LOW	HLTH	REG	35	89.99	3149	FULL	100.0	35	3149
52	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	36	95.86	3450	FULL	100.0	36	3450
211	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	29	100.98	2928	FULL	100.0	29	2928
248	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	38	86.31	3279	FULL	100.0	38	3279
148	CONT	SD	URBN	LOW	LOW	HLTH	REG	28	82.55	2311	FULL	100.0	28	2311
24	CONT	SD	NOT	HIGH	LOW	HLTH	REG	32	74.54	2385	FULL	100.0	32	2385
67	CONT	SD	NOT	LOW	HIGH	HLTH	REG	31	75.02	2325	FULL	100.0	31	2325
5	CONT	SD	NOT	LOW	LOW	HLTH	REG	35	93.51	3272	FULL	100.0	35	3272
165	CONT	SD	NOT	LOW	LOW	HLTH	REG	28	79.21	2217	FULL	100.0	28	2217
223	CONT	SD	NOT	LOW	LOW	HLTH	REG	26	86.56	2250	FULL	100.0	26	2250
133	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	66	70.40	4646	FULL	100.0	66	4646
194	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	53	70.08	3714	FULL	100.0	53	3714
285	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	73	71.69	5233	FULL	100.0	73	5233
299	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	54	80.12	4326	FULL	100.0	54	4326
284	CONT	CVS	URBN	HIGH	LOW	TECH	REG	53	82.93	4395	FULL	100.0	53	4395
134	CONT	CVS	URBN	LOW	HIGH	TECH	REG	48	81.50	3916	FULL	100.0	48	3916
75	CONT	CVS	URBN	LOW	LOW	TECH	REG	48	88.75	4260	FULL	100.0	48	4260
139	CONT	CVS	URBN	LOW	LOW	TECH	REG	50	78.74	3936	FULL	100.0	50	3936

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
49	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	66	71.30	4705	FULL	100.0	66	4705
92	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	65	75.01	4950	FULL	100.0	66	4950
173	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	72	73.45	5288	FULL	100.0	72	5288
65	CONT	CVS	NOT	HIGH	LOW	TECH	REG	54	73.98	3994	FULL	100.0	54	3994
80	CONT	CVS	NOT	HIGH	LOW	TECH	REG	64	75.06	4803	FULL	100.0	64	4803
158	CONT	CVS	NOT	HIGH	LOW	TECH	REG	45	78.65	3539	FULL	100.0	45	3539
217	CONT	CVS	NOT	HIGH	LOW	TECH	REG	65	64.07	4164	FULL	100.0	65	4164
3	CONT	CVS	NOT	LOW	HIGH	TECH	REG	52	65.02	3381	FULL	100.0	52	3381
28	CONT	CVS	NOT	LOW	HIGH	TECH	REG	53	81.09	4297	FULL	100.0	53	4297
164	CONT	CVS	NOT	LOW	HIGH	TECH	REG	54	68.67	3708	FULL	100.0	54	3708
175	CONT	CVS	NOT	LOW	HIGH	TECH	REG	68	75.97	5165	FULL	100.0	68	5165
4	CONT	CVS	NOT	LOW	LOW	TECH	REG	56	81.22	4548	FULL	100.0	56	4549
42	CONT	CVS	NOT	LOW	LOW	TECH	REG	67	78.99	5292	FULL	100.0	67	5292
73	CONT	CVS	NOT	LOW	LOW	TECH	REG	67	64.32	4309	FULL	100.0	67	4309
106	CONT	CVS	NOT	LOW	LOW	TECH	REG	69	70.05	4833	FULL	100.0	69	4833
113	CONT	CVS	NOT	LOW	LOW	TECH	REG	50	67.40	3369	FULL	100.0	50	3369
125	CONT	CVS	NOT	LOW	LOW	TECH	REG	47	81.02	3807	FULL	100.0	47	3807
245	CONT	CVS	NOT	LOW	LOW	TECH	REG	60	82.57	4954	FULL	100.0	60	4954
47	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	53	74.39	3942	FULL	100.0	53	3942
119	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	49	89.21	4371	FULL	100.0	49	4371
126	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	63	87.47	5510	FULL	100.0	63	5510
152	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	88.10	6078	FULL	100.0	69	6078
203	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	87.34	6026	FULL	100.0	69	6026
208	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	89.27	6159	FULL	100.0	69	6159
250	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	67	88.81	5950	FULL	100.0	67	5950
178	CONT	AVTS	URBN	LOW	HIGH	TECH	REG	72	70.33	5063	FULL	100.0	72	5063
272	CONT	AVTS	URBN	LOW	HIGH	TECH	REG	70	78.79	5515	FULL	100.0	70	5515
69	CONT	AVTS	URBN	LOW	LOW	TECH	REG	66	81.25	5362	FULL	100.0	66	5362
166	CONT	AVTS	URBN	LOW	LOW	TECH	REG	63	80.61	5078	FULL	100.0	63	5078
176	CONT	AVTS	URBN	LOW	LOW	TECH	REG	53	82.75	4385	FULL	100.0	53	4385
33	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	47	65.78	3091	FULL	100.0	47	3091
87	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	69	66.78	4607	FULL	100.0	69	4607
126	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	64	65.22	4174	FULL	100.0	64	4174
137	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	57	71.45	4072	FULL	100.0	57	4072
205	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	55	73.42	4038	FULL	100.0	55	4038
36	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	55	73.13	4022	FULL	100.0	55	4022
156	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	65	82.10	5336	FULL	100.0	65	5336
207	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	60	74.16	4449	FULL	100.0	60	4449
141	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	55	65.82	3620	FULL	100.0	55	3620
142	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	64	79.09	5061	FULL	100.0	64	5061
220	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	50	82.34	4116	FULL	100.0	50	4116
232	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	58	66.37	3849	FULL	100.0	58	3849
251	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	71	66.10	4693	FULL	100.0	71	4693
296	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	51	79.28	4043	FULL	100.0	51	4043
34	CONT	AVTS	NOT	LOW	LOW	TECH	REG	69	77.52	5348	FULL	100.0	69	5348
112	CONT	AVTS	NOT	LOW	LOW	TECH	REG	66	72.37	4776	FULL	100.0	66	4776
234	CONT	AVTS	NOT	LOW	LOW	TECH	REG	72	74.15	5338	FULL	100.0	72	5338
248	CONT	AVTS	NOT	LOW	LOW	TECH	REG	74	67.20	4972	FULL	100.0	74	4972
19	CONT	SD	URBN	HIGH	HIGH	TECH	REG	50	75.23	3760	FULL	100.0	50	3760
46	CONT	SD	URBN	HIGH	HIGH	TECH	REG	66	88.04	5810	FULL	100.0	66	5810

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

PROGRAM AND EXPENDITURE REPORT

BUDGET	PROGRAMS CONT	PROGRAMS NEW	PROGRAMS TOTAL	EXPENDITURES ALLOCATED	EXPENDITURES AVAILABLE	AVLBLE-ALLOC
REG	218	77	295	1153301	750000	-403301
DIS	55	13	68	2452318	1500000	-952318
HAND	27	10	37	1287119	1000000	-287119
TOTAL				4892738		

MANPOWER SUPPLY INDICATOR REPORT

MANPOWER	GRADUATES PRODUCED	GRADUATES NEEDED	PERCENT	DESIRED PERCENT	GAP
DSTB	6476	10000	64.8	100.0	35.2
HLTH	1818	8000	22.7	100.0	77.3
TECH	16359	12000	136.3	100.0	-36.3

URBAN - AREA INDICATOR REPORT

AREA	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
URBN	2427449	49.6	40.0	60.0
NOT	2465289	50.4		
TOTAL	4892738			

DROP-OUT - AREA INDICATOR REPORT

DROP-OUT	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
HIGH	2718106	55.6	65.0	75.0
LOW	2174632	44.4		
TOTAL	4892738			

UNEMPLOYMENT - AREA INDICATOR REPORT

UNEMPLY	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
HIGH	2827214	57.8	65.0	75.0
LOW	2065524	42.2		
TOTAL	4892738			

LEA TYPE INDICATOR REPORT

LEA TYPE	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	DESIRED PERCENT MAXIMUM
CVS	972315	19.9	15.0	30.0
AVTS	1233969	25.2	30.0	40.0
SD	2686454	54.9		
TOTAL	4892738			

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLCT	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQUEST	APPRV	PRCNT	APPGRAD	APPCOST
385	NEW	AVTS	NOT	LOW	LOW	TECH	REG	72	74.13	5337	FULL	100.0	72	5337
306	NEW	SD	URBN	HIGH	HIGH	TECH	REG	52	88.96	4620	FULL	100.0	52	4620
339	NEW	SD	URBN	HIGH	HIGH	TECH	REG	53	86.52	4585	FULL	100.0	53	4585
370	NEW	SD	URBN	HIGH	HIGH	TECH	REG	50	71.72	3585	FULL	100.0	50	3585
383	NEW	SD	URBN	HIGH	HIGH	TECH	REG	61	81.71	4984	FULL	100.0	61	4984
394	NEW	SD	URBN	HIGH	HIGH	TECH	REG	52	71.67	3726	FULL	100.0	52	3726
305	NEW	SD	URBN	HIGH	LOW	TECH	REG	74	90.00	6660	FULL	100.0	74	6660
323	NEW	SD	URBN	HIGH	LOW	TECH	REG	54	81.16	4382	FULL	100.0	54	4382
341	NEW	SD	URBN	HIGH	LOW	TECH	REG	51	72.62	3703	FULL	100.0	51	3703
344	NEW	SD	URBN	HIGH	LOW	TECH	REG	68	71.72	4876	FULL	100.0	68	4876
346	NEW	SD	URBN	HIGH	LOW	TECH	REG	46	90.27	4152	FULL	100.0	46	4152
319	NEW	SD	URBN	LOW	HIGH	TECH	REG	69	88.67	6118	FULL	100.0	69	6118
334	NEW	SD	URBN	LOW	HIGH	TECH	REG	64	70.78	4529	FULL	100.0	64	4529
357	NEW	SD	URBN	LOW	HIGH	TECH	REG	67	71.35	4780	FULL	100.0	67	4780
398	NEW	SD	URBN	LOW	HIGH	TECH	REG	69	70.63	4873	FULL	100.0	69	4873
307	NEW	SD	URBN	LOW	LOW	TECH	REG	63	70.78	4459	FULL	100.0	63	4459
355	NEW	SD	URBN	LOW	LOW	TECH	REG	58	82.72	4797	FULL	100.0	58	4797
382	NEW	SD	URBN	LOW	LOW	TECH	REG	70	76.27	5338	FULL	100.0	70	5338
390	NEW	SD	URBN	LOW	LOW	TECH	REG	59	71.77	4234	FULL	100.0	59	4234
328	NEW	SD	NOT	HIGH	HIGH	TECH	REG	74	81.29	6015	FULL	100.0	74	6015
366	NEW	SD	NOT	HIGH	LOW	TECH	REG	53	78.93	4183	FULL	100.0	53	4183
371	NEW	SD	NOT	HIGH	LOW	TECH	REG	66	80.05	5283	FULL	100.0	66	5283
331	NEW	SD	NOT	LOW	HIGH	TECH	REG	73	66.14	4828	FULL	100.0	73	4828
332	NEW	SD	NOT	LOW	HIGH	TECH	REG	59	79.45	4687	FULL	100.0	59	4687
378	NEW	SD	NOT	LOW	HIGH	TECH	REG	49	83.20	4076	FULL	100.0	49	4076
335	NEW	SD	NOT	LOW	LOW	TECH	REG	70	71.71	5019	FULL	100.0	70	5019
350	NEW	SD	NOT	LOW	LOW	TECH	REG	51	76.02	3877	FULL	100.0	51	3877
359	NEW	CVS	NOT	LOW	HIGH	DSTB	DIS	97	362.87	35209	FULL	100.0	97	35209
376	NEW	SD	URBN	LOW	HIGH	DSTB	DIS	95	413.37	39270	FULL	100.0	95	39270
351	NEW	SD	URBN	LOW	LOW	DSTB	DIS	97	409.35	39706	FULL	100.0	97	39706
352	NEW	SD	URBN	HIGH	HIGH	HLTH	DIS	78	405.08	31596	FULL	100.0	78	31596
374	NEW	SD	NOT	HIGH	HIGH	HLTH	DIS	76	381.64	29004	FULL	100.0	76	29004
387	NEW	CVS	URBN	HIGH	HIGH	TECH	DIS	87	395.37	34397	FULL	100.0	87	34397
384	NEW	CVS	NOT	HIGH	LOW	TECH	DIS	99	372.56	36883	FULL	100.0	99	36883
301	NEW	CVS	NOT	LOW	HIGH	TECH	DIS	106	356.96	37837	FULL	100.0	106	37837
362	NEW	CVS	NOT	LOW	HIGH	TECH	DIS	103	364.83	37529	FULL	100.0	103	37529
338	NEW	SD	URBN	HIGH	HIGH	TECH	DIS	103	412.12	42448	FULL	100.0	103	42448
322	NEW	SD	NOT	HIGH	HIGH	TECH	DIS	104	394.50	41026	FULL	100.0	104	41026
342	NEW	SD	NOT	HIGH	HIGH	TECH	DIS	101	351.86	35537	FULL	100.0	101	35537
380	NEW	SD	NOT	LOW	HIGH	TECH	DIS	95	358.11	34020	FULL	100.0	95	34020
308	NEW	AVTS	NOT	LOW	LOW	DSTB	HAND	72	420.39	30268	FULL	100.0	72	30268
365	NEW	SD	URBN	HIGH	LOW	DSTB	HAND	60	452.61	27156	FULL	100.0	60	27156
369	NEW	SD	URBN	LOW	HIGH	DSTB	HAND	66	454.70	30070	FULL	100.0	66	30070
329	NEW	CVS	NOT	HIGH	LOW	HLTH	HAND	61	447.99	27327	FULL	100.0	61	27327
311	NEW	SD	URBN	HIGH	HIGH	HLTH	HAND	53	480.43	25462	FULL	100.0	53	25462
400	NEW	CVS	NOT	LOW	HIGH	TECH	HAND	94	420.15	39494	FULL	100.0	94	39494
303	NEW	AVTS	URBN	HIGH	LOW	TECH	HAND	93	468.55	43579	FULL	100.0	93	43579
312	NEW	AVTS	URBN	HIGH	LOW	TECH	HAND	83	468.01	38844	FULL	100.0	83	38844
349	NEW	AVTS	NOT	LOW	LOW	TECH	HAND	89	434.23	38646	FULL	100.0	89	38646
397	NEW	SD	URBN	HIGH	HIGH	TECH	HAND	93	486.19	45215	FULL	100.0	93	45215

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
361	NEW	CVS	URBN	HIGH	LOW	DSTB	REG	36	69.64	2507	FULL	100.0	36	2507
319	NEW	CVS	URBN	LOW	HIGH	DSTB	REG	48	64.23	3083	FULL	100.0	48	3083
325	NEW	CVS	NOT	HIGH	LOW	DSTB	REG	49	61.25	3001	FULL	100.0	49	3001
377	NEW	CVS	NOT	LOW	HIGH	DSTB	REG	37	73.75	2728	FULL	100.0	37	2728
317	NEW	CVS	NOT	LOW	LOW	DSTB	REG	44	62.50	2750	FULL	100.0	44	2750
321	NEW	CVS	NOT	LOW	LOW	DSTB	REG	41	59.27	2430	FULL	100.0	41	2430
364	NEW	CVS	NOT	LOW	LOW	DSTB	REG	39	69.78	2721	FULL	100.0	39	2721
354	NEW	AVTS	URBN	HIGH	HIGH	DSTB	REG	44	62.53	2751	FULL	100.0	44	2751
326	NEW	AVTS	NOT	LOW	HIGH	DSTB	REG	50	63.33	3166	FULL	100.0	50	3166
332	NEW	AVTS	NOT	LOW	HIGH	DSTB	REG	53	56.45	2991	FULL	100.0	53	2991
316	NEW	AVTS	NOT	LOW	LOW	DSTB	REG	35	64.90	2271	FULL	100.0	35	2271
330	NEW	SD	URBN	HIGH	HIGH	DSTB	REG	38	67.22	2554	FULL	100.0	38	2554
308	NEW	SD	URBN	HIGH	LOW	DSTB	REG	44	70.45	3099	FULL	100.0	44	3099
320	NEW	SD	URBN	HIGH	LOW	DSTB	REG	42	71.67	3010	FULL	100.0	42	3010
338	NEW	SD	URBN	LOW	LOW	DSTB	REG	36	59.58	2144	FULL	100.0	36	2144
336	NEW	SD	NOT	HIGH	LOW	DSTB	REG	38	70.63	2683	FULL	100.0	38	2683
340	NEW	SD	NOT	HIGH	LOW	DSTB	REG	37	57.59	2130	FULL	100.0	37	2130
375	NEW	SD	NOT	HIGH	LOW	DSTB	REG	47	56.19	2640	FULL	100.0	47	2640
358	NEW	SD	NOT	LOW	LOW	DSTB	REG	47	70.01	3290	FULL	100.0	47	3290
389	NEW	SD	NOT	LOW	LOW	DSTB	REG	49	69.05	3383	FULL	100.0	49	3383
324	NEW	CVS	URBN	HIGH	HIGH	HLTH	REG	25	83.09	2077	FULL	100.0	25	2077
397	NEW	CVS	NOT	HIGH	LOW	HLTH	REG	28	82.71	2315	FULL	100.0	28	2315
302	NEW	AVTS	URBN	HIGH	HIGH	HLTH	REG	29	89.69	2601	FULL	100.0	29	2601
337	NEW	AVTS	NOT	HIGH	HIGH	HLTH	REG	33	79.76	2632	FULL	100.0	33	2632
399	NEW	SD	URBN	HIGH	LOW	HLTH	REG	26	91.29	2373	FULL	100.0	26	2373
309	NEW	SD	NOT	HIGH	LOW	HLTH	REG	31	93.59	2901	FULL	100.0	31	2901
386	NEW	SD	NOT	HIGH	LOW	HLTH	REG	25	85.84	2145	FULL	100.0	25	2145
373	NEW	SD	NOT	LOW	LOW	HLTH	REG	28	74.03	2072	FULL	100.0	28	2072
372	NEW	CVS	URBN	LOW	HIGH	TECH	REG	61	72.80	4440	FULL	100.0	61	4440
327	NEW	CVS	NOT	HIGH	HIGH	TECH	REG	64	65.16	4170	FULL	100.0	64	4170
347	NEW	CVS	NOT	HIGH	HIGH	TECH	REG	57	79.82	4549	FULL	100.0	57	4549
313	NEW	CVS	NOT	HIGH	LOW	TECH	REG	63	82.57	5201	FULL	100.0	63	5201
348	NEW	CVS	NOT	HIGH	LOW	TECH	REG	72	82.33	5927	FULL	100.0	72	5927
391	NEW	CVS	NOT	HIGH	LOW	TECH	REG	64	74.69	4780	FULL	100.0	64	4780
396	NEW	CVS	NOT	HIGH	LOW	TECH	REG	56	83.40	4670	FULL	100.0	56	4670
314	NEW	CVS	NOT	LOW	LOW	TECH	REG	48	71.82	3447	FULL	100.0	48	3447
353	NEW	CVS	NOT	LOW	LOW	TECH	REG	62	79.90	4953	FULL	100.0	62	4953
363	NEW	AVTS	URBN	HIGH	HIGH	TECH	REG	60	80.23	4813	FULL	100.0	60	4813
333	NEW	AVTS	URBN	HIGH	LOW	TECH	REG	68	84.16	5722	FULL	100.0	68	5722
395	NEW	AVTS	URBN	HIGH	LOW	TECH	REG	58	70.76	4104	FULL	100.0	58	4104
360	NEW	AVTS	URBN	LOW	HIGH	TECH	REG	67	87.99	5895	FULL	100.0	67	5895
381	NEW	AVTS	URBN	LOW	LOW	TECH	REG	73	74.94	5470	FULL	100.0	73	5470
379	NEW	AVTS	NOT	HIGH	HIGH	TECH	REG	51	82.84	4224	FULL	100.0	51	4224
310	NEW	AVTS	NOT	HIGH	LOW	TECH	REG	74	68.95	5102	FULL	100.0	74	5102
315	NEW	AVTS	NOT	LOW	HIGH	TECH	REG	52	76.02	3953	FULL	100.0	52	3953
345	NEW	AVTS	NOT	LOW	HIGH	TECH	REG	53	77.61	4113	FULL	100.0	53	4113
393	NEW	AVTS	NOT	LOW	HIGH	TECH	REG	55	64.11	3526	FULL	100.0	55	3526
304	NEW	AVTS	NOT	LOW	LOW	TECH	REG	55	76.54	4209	FULL	100.0	55	4209
343	NEW	AVTS	NOT	LOW	LOW	TECH	REG	62	67.67	4195	FULL	100.0	62	4195
356	NEW	AVTS	NOT	LOW	LOW	TECH	REG	64	75.72	4846	FULL	100.0	64	4846

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
62	CONT	AVTS	URBN	LOW	HIGH	TECH	DIS	87	423.69	36861	FULL	100.0	87	36861
110	CONT	AVTS	NOT	HIGH	HIGH	TECH	DIS	109	351.55	38318	FULL	100.0	109	38318
188	CONT	AVTS	NOT	HIGH	HIGH	TECH	DIS	106	358.15	37963	FULL	100.0	106	37963
114	CONT	AVTS	NOT	HIGH	LOW	TECH	DIS	98	365.74	35842	FULL	100.0	98	35842
183	CONT	AVTS	NOT	LOW	HIGH	TECH	DIS	109	381.55	41588	FULL	100.0	109	41588
81	CONT	AVTS	NOT	LOW	LOW	TECH	DIS	104	362.10	37658	FULL	100.0	104	37658
169	CONT	AVTS	NOT	LOW	LOW	TECH	DIS	100	380.34	38033	FULL	100.0	100	38033
18	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	101	410.78	41488	FULL	100.0	101	41483
124	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	87	407.90	35487	FULL	100.0	87	35487
131	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	103	402.44	41451	FULL	100.0	103	41451
202	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	85	388.03	32982	FULL	100.0	85	32982
273	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	91	427.27	38881	FULL	100.0	91	38881
88	CONT	SD	URBN	HIGH	LOW	TECH	DIS	103	394.71	40655	FULL	100.0	103	40655
154	CONT	SD	URBN	HIGH	LOW	TECH	DIS	96	423.01	40608	FULL	100.0	96	40608
192	CONT	SD	URBN	HIGH	LOW	TECH	DIS	107	399.27	42721	FULL	100.0	107	42721
254	CONT	SD	URBN	HIGH	LOW	TECH	DIS	106	405.82	43016	FULL	100.0	106	43016
38	CONT	SD	URBN	LOW	HIGH	TECH	DIS	99	407.85	40377	FULL	100.0	99	40377
280	CONT	SD	URBN	LOW	HIGH	TECH	DIS	92	396.07	36438	FULL	100.0	92	36438
253	CONT	SD	NOT	HIGH	HIGH	TECH	DIS	98	353.86	34678	FULL	100.0	98	34678
283	CONT	SD	NOT	HIGH	HIGH	TECH	DIS	91	384.89	35024	FULL	100.0	91	35024
224	CONT	SD	NOT	LOW	HIGH	TECH	DIS	107	351.87	37650	FULL	100.0	107	37650
259	CONT	SD	NOT	LOW	HIGH	TECH	DIS	101	354.99	35853	FULL	100.0	101	35853
96	CONT	SD	NOT	LOW	LOW	TECH	DIS	94	370.79	34854	FULL	100.0	94	34854
196	CONT	CVS	NOT	HIGH	LOW	DSTR	HAND	72	420.80	30297	FULL	100.0	72	30297
136	CONT	CVS	NOT	LOW	LOW	DSTR	HAND	74	421.21	31169	FULL	100.0	74	31169
241	CONT	AVTS	NOT	LOW	LOW	DSTR	HAND	72	433.26	31194	FULL	100.0	72	31194
22	CONT	SD	URBN	HIGH	LOW	DSTR	HAND	69	473.69	32684	FULL	100.0	69	32684
159	CONT	CVS	NOT	LOW	HIGH	HLTH	HAND	61	430.52	26261	FULL	100.0	61	26261
242	CONT	AVTS	URBN	LOW	HIGH	HLTH	HAND	57	472.59	26937	FULL	100.0	57	26937
265	CONT	AVTS	URBN	LOW	LOW	HLTH	HAND	63	491.67	30975	FULL	100.0	63	30975
107	CONT	SD	NOT	HIGH	LOW	HLTH	HAND	56	440.58	24672	FULL	100.0	56	24672
117	CONT	CVS	URBN	HIGH	LOW	TECH	HAND	92	480.35	44192	FULL	100.0	92	44192
31	CONT	CVS	NOT	LOW	LOW	TECH	HAND	76	432.49	32869	FULL	100.0	76	32869
11	CONT	AVTS	URBN	HIGH	HIGH	TECH	HAND	91	461.05	41955	FULL	100.0	91	41955
127	CONT	AVTS	URBN	HIGH	HIGH	TECH	HAND	92	468.31	43084	FULL	100.0	92	43084
195	CONT	AVTS	URBN	HIGH	LOW	TECH	HAND	74	458.89	33957	FULL	100.0	74	33957
72	CONT	AVTS	NOT	LOW	HIGH	TECH	HAND	77	442.46	34069	FULL	100.0	77	34069
99	CONT	AVTS	NOT	LOW	LOW	TECH	HAND	79	427.91	33804	FULL	100.0	79	33804
150	CONT	AVTS	NOT	LOW	LOW	TECH	HAND	84	420.72	35340	FULL	100.0	84	35340
214	CONT	SD	URBN	HIGH	HIGH	TECH	HAND	78	456.86	35635	FULL	100.0	78	35635
130	CONT	SD	URBN	LOW	HIGH	TECH	HAND	91	484.83	44119	FULL	100.0	91	44119
143	CONT	SD	URBN	LOW	HIGH	TECH	HAND	82	479.53	39321	FULL	100.0	82	39321
216	CONT	SD	URBN	LOW	LOW	TECH	HAND	89	483.49	43030	FULL	100.0	89	43030
288	CONT	SD	URBN	LOW	LOW	TECH	HAND	74	461.69	34165	FULL	100.0	74	34165
20	CONT	SD	NOT	HIGH	HIGH	TECH	HAND	85	418.68	35587	FULL	100.0	85	35587
79	CONT	SD	NOT	HIGH	HIGH	TECH	HAND	89	415.41	36971	FULL	100.0	89	36971
215	CONT	SD	NOT	HIGH	LOW	TECH	HAND	83	444.09	36859	FULL	100.0	83	36859
120	CONT	SD	NOT	LOW	HIGH	TECH	HAND	75	421.62	31621	FULL	100.0	75	31621
2	CONT	SD	NOT	LOW	LOW	TECH	HAND	74	421.42	31185	FULL	100.0	74	31185
149	CONT	SD	NOT	LOW	LOW	TECH	HAND	87	442.65	38510	FULL	100.0	87	38510

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
53	CONT	SD	URBN	HIGH	HIGH	TECH	REG	70	83.17	5821	FULL	100.0	70	5821
93	CONT	SD	URBN	HIGH	HIGH	TECH	REG	67	74.53	4997	FULL	100.0	67	4997
97	CONT	SD	URBN	HIGH	HIGH	TECH	REG	48	82.95	3981	FULL	100.0	48	3981
98	CONT	SD	URBN	HIGH	HIGH	TECH	REG	60	81.19	4871	FULL	100.0	60	4871
122	CONT	SD	URBN	HIGH	HIGH	TECH	REG	46	89.43	4113	FULL	100.0	46	4113
132	CONT	SD	URBN	HIGH	HIGH	TECH	REG	53	80.56	4269	FULL	100.0	53	4269
138	CONT	SD	URBN	HIGH	HIGH	TECH	REG	73	80.26	5858	FULL	100.0	73	5858
145	CONT	SD	URBN	HIGH	HIGH	TECH	REG	56	80.29	4496	FULL	100.0	56	4496
153	CONT	SD	URBN	HIGH	HIGH	TECH	REG	59	91.92	5423	FULL	100.0	59	5423
174	CONT	SD	URBN	HIGH	HIGH	TECH	REG	64	81.90	5241	FULL	100.0	64	5241
177	CONT	SD	URBN	HIGH	HIGH	TECH	REG	71	85.31	6057	FULL	100.0	71	6057
181	CONT	SD	URBN	HIGH	HIGH	TECH	REG	64	88.65	5673	FULL	100.0	64	5673
197	CONT	SD	URBN	HIGH	HIGH	TECH	REG	67	80.90	5420	FULL	100.0	67	5420
199	CONT	SD	URBN	HIGH	HIGH	TECH	REG	51	89.62	4570	FULL	100.0	51	4570
201	CONT	SD	URBN	HIGH	HIGH	TECH	REG	68	90.90	6181	FULL	100.0	68	6181
221	CONT	SD	URBN	HIGH	HIGH	TECH	REG	66	91.64	6048	FULL	100.0	66	6048
228	CONT	SD	URBN	HIGH	HIGH	TECH	REG	56	88.91	4978	FULL	100.0	56	4978
240	CONT	SD	URBN	HIGH	HIGH	TECH	REG	50	84.28	4213	FULL	100.0	50	4213
246	CONT	SD	URBN	HIGH	HIGH	TECH	REG	53	86.22	4569	FULL	100.0	53	4569
256	CONT	SD	URBN	HIGH	HIGH	TECH	REG	59	80.91	4773	FULL	100.0	59	4773
267	CONT	SD	URBN	HIGH	HIGH	TECH	REG	47	70.54	3315	FULL	100.0	47	3315
279	CONT	SD	URBN	HIGH	HIGH	TECH	REG	47	76.14	3578	FULL	100.0	47	3578
35	CONT	SD	URBN	HIGH	LOW	TECH	REG	61	86.67	5286	FULL	100.0	61	5286
82	CONT	SD	URBN	HIGH	LOW	TECH	REG	68	78.97	5369	FULL	100.0	68	5369
84	CONT	SD	URBN	HIGH	LOW	TECH	REG	54	70.39	3801	FULL	100.0	54	3801
123	CONT	SD	URBN	HIGH	LOW	TECH	REG	46	84.32	3878	FULL	100.0	46	3878
147	CONT	SD	URBN	HIGH	LOW	TECH	REG	59	70.12	4137	FULL	100.0	59	4137
206	CONT	SD	URBN	HIGH	LOW	TECH	REG	61	89.76	5475	FULL	100.0	61	5475
229	CONT	SD	URBN	HIGH	LOW	TECH	REG	67	74.91	5018	FULL	100.0	67	5018
262	CONT	SD	URBN	HIGH	LOW	TECH	REG	73	83.98	6130	FULL	100.0	73	6130
292	CONT	SD	URBN	HIGH	LOW	TECH	REG	59	84.16	4965	FULL	100.0	59	4965
193	CONT	SD	URBN	LOW	HIGH	TECH	REG	70	90.68	6347	FULL	100.0	70	6347
243	CONT	SD	URBN	LOW	HIGH	TECH	REG	63	83.51	5261	FULL	100.0	63	5261
290	CONT	SD	URBN	LOW	HIGH	TECH	REG	74	74.35	5501	FULL	100.0	74	5501
54	CONT	SD	NOT	HIGH	HIGH	TECH	REG	68	82.12	5584	FULL	100.0	68	5584
104	CONT	SD	NOT	HIGH	HIGH	TECH	REG	57	65.04	3707	FULL	100.0	57	3707
134	CONT	SD	NOT	HIGH	HIGH	TECH	REG	49	70.46	3452	FULL	100.0	49	3452
140	CONT	SD	NOT	HIGH	HIGH	TECH	REG	46	66.59	3063	FULL	100.0	46	3063
179	CONT	SD	NOT	HIGH	HIGH	TECH	REG	67	74.77	5009	FULL	100.0	67	5009
237	CONT	SD	NOT	HIGH	HIGH	TECH	REG	49	75.76	3712	FULL	100.0	49	3712
15	CONT	SD	NOT	HIGH	LOW	TECH	REG	52	72.20	3754	FULL	100.0	52	3754
48	CONT	SD	NOT	HIGH	LOW	TECH	REG	58	67.30	3903	FULL	100.0	58	3903
76	CONT	SD	NOT	HIGH	LOW	TECH	REG	54	75.30	4066	FULL	100.0	54	4066
109	CONT	SD	NOT	HIGH	LOW	TECH	REG	50	80.55	4027	FULL	100.0	50	4027
190	CONT	SD	NOT	HIGH	LOW	TECH	REG	60	83.84	5030	FULL	100.0	60	5030
213	CONT	SD	NOT	HIGH	LOW	TECH	REG	58	64.33	3731	FULL	100.0	58	3731
230	CONT	SD	NOT	HIGH	LOW	TECH	REG	45	66.77	3004	FULL	100.0	45	3004
294	CONT	SD	NOT	HIGH	LOW	TECH	REG	55	75.56	4155	FULL	100.0	55	4155
297	CONT	SD	NOT	HIGH	LOW	TECH	REG	70	71.09	4976	FULL	100.0	70	4976
17	CONT	SD	NOT	LOW	HIGH	TECH	REG	58	81.16	4707	FULL	100.0	58	4707

FULL ALTERNATIVE PLAN - ALL CONTINUING AND NEW PROGRAMS AT THEIR MAXIMUMS

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
34	CONT	SD	NOT	LOW	HIGH	TECH	REG	66	77.58	5120	FULL	100.0	66	5120
50	CONT	SD	NOT	LOW	HIGH	TECH	REG	54	70.10	3785	FULL	100.0	54	3785
142	CONT	SD	NOT	LOW	HIGH	TECH	REG	59	81.44	4804	FULL	100.0	59	4804
153	CONT	SD	NOT	LOW	HIGH	TECH	REG	50	72.98	3648	FULL	100.0	50	3648
170	CONT	SD	NOT	LOW	HIGH	TECH	REG	60	81.77	4906	FULL	100.0	60	4906
247	CONT	SD	NOT	LOW	HIGH	TECH	REG	64	70.00	4480	FULL	100.0	64	4480
277	CONT	SD	NOT	LOW	HIGH	TECH	REG	55	65.65	3610	FULL	100.0	55	3610
289	CONT	SD	NOT	LOW	HIGH	TECH	REG	63	72.25	4551	FULL	100.0	63	4551
39	CONT	SD	NOT	LOW	LOW	TECH	REG	65	77.20	5017	FULL	100.0	65	5017
40	CONT	SD	NOT	LOW	LOW	TECH	REG	47	76.62	3601	FULL	100.0	47	3601
43	CONT	SD	NOT	LOW	LOW	TECH	REG	66	81.94	5408	FULL	100.0	66	5403
56	CONT	SD	NOT	LOW	LOW	TECH	REG	66	72.94	4814	FULL	100.0	66	4814
71	CONT	SD	NOT	LOW	LOW	TECH	REG	52	66.17	3440	FULL	100.0	52	3440
89	CONT	SD	NOT	LOW	LOW	TECH	REG	46	68.19	3136	FULL	100.0	46	3136
100	CONT	SD	NOT	LOW	LOW	TECH	REG	53	79.32	4203	FULL	100.0	53	4203
105	CONT	SD	NOT	LOW	LOW	TECH	REG	63	69.84	4399	FULL	100.0	63	4399
260	CONT	SD	NOT	LOW	LOW	TECH	REG	57	78.64	4482	FULL	100.0	57	4482
281	CONT	SD	NOT	LOW	LOW	TECH	REG	63	68.63	4323	FULL	100.0	63	4323
203	CONT	CVS	NOT	HIGH	HIGH	DSTB	DIS	87	347.08	30195	FULL	100.0	87	30195
16	CONT	CVS	NOT	LOW	LOW	DSTB	DIS	88	370.16	32574	FULL	100.0	88	32574
68	CONT	AVTS	URBN	HIGH	HIGH	DSTB	DIS	95	400.02	38001	FULL	100.0	95	38001
167	CONT	AVTS	URBN	HIGH	HIGH	DSTB	DIS	94	411.30	38662	FULL	100.0	94	38662
180	CONT	AVTS	URBN	HIGH	LOW	DSTB	DIS	88	408.33	35938	FULL	100.0	88	35938
13	CONT	AVTS	NOT	HIGH	LOW	DSTB	DIS	96	369.73	35494	FULL	100.0	96	35494
44	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	88	397.30	34962	FULL	100.0	88	34962
90	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	82	414.09	33955	FULL	100.0	82	33955
155	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	94	399.17	37521	FULL	100.0	94	37521
231	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	90	410.74	36966	FULL	100.0	90	36966
27	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	93	402.82	37462	FULL	100.0	93	37462
276	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	77	402.67	31005	FULL	100.0	77	31005
293	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	81	380.91	30853	FULL	100.0	81	30853
135	CONT	SD	NOT	HIGH	HIGH	DSTB	DIS	94	348.10	32721	FULL	100.0	94	32721
121	CONT	SD	NOT	LOW	LOW	DSTB	DIS	85	343.01	29155	FULL	100.0	85	29155
129	CONT	SD	NOT	LOW	LOW	DSTB	DIS	98	374.36	36687	FULL	100.0	98	36687
103	CONT	AVTS	NOT	LOW	LOW	HLTH	DIS	80	378.24	30259	FULL	100.0	80	30259
37	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	68	406.87	27667	FULL	100.0	68	27667
235	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	79	409.23	32329	FULL	100.0	79	32329
282	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	81	434.23	35172	FULL	100.0	81	35172
218	CONT	SD	URBN	LOW	HIGH	HLTH	DIS	71	433.39	30770	FULL	100.0	71	30770
300	CONT	SD	NOT	HIGH	LOW	HLTH	DIS	76	376.83	28639	FULL	100.0	76	28639
172	CONT	SD	NOT	LOW	HIGH	HLTH	DIS	84	386.35	32453	FULL	100.0	84	32453
171	CONT	SD	NOT	LOW	LOW	HLTH	DIS	80	399.49	31959	FULL	100.0	80	31959
191	CONT	CVS	URBN	HIGH	HIGH	TECH	DIS	95	418.84	39789	FULL	100.0	95	39789
74	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	99	385.87	38201	FULL	100.0	99	38201
136	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	86	364.11	31313	FULL	100.0	86	31313
235	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	93	366.72	34104	FULL	100.0	93	34104
66	CONT	CVS	NOT	LOW	HIGH	TECH	DIS	93	361.09	33581	FULL	100.0	93	33581
23	CONT	CVS	NOT	LOW	LOW	TECH	DIS	104	374.67	38965	FULL	100.0	104	38965
225	CONT	CVS	NOT	LOW	LOW	TECH	DIS	106	380.02	40282	FULL	100.0	106	40282
222	CONT	AVTS	URBN	HIGH	LOW	TECH	DIS	101	388.17	39205	FULL	100.0	101	39205

Analysis of the Full Alternative Plan

Budget Policy

- Deficits in Regular, Disadvantaged, and Handicapped

Area and LEA Expenditure Indicators

- Feasible for Urban (between desired minimum and desired maximum)
- Infeasible for High Drop-out (less than desired minimum)
- Infeasible for High Unemployment (less than desired minimum)
- Feasible for County Vocational Schools (between desired minimum and desired maximum)
- Infeasible for Area Vocational-Technical Schools (less than desired minimum)

Manpower Supply Indicators

- Undersupply for Distributive and Health
- Oversupply for Technical

A Feasible Plan Is Needed!

The Plan must be

- Feasible for Budget Policy

  For each budget type, expenditures allocated must be less than or equal to expenditures available.

- Feasible for Area and LEA Expenditure Indicators

  Each Area and LEA Expenditure Indicator level must be at or between the desired minimum indicator level and the desired maximum indicator level.

Feasible plans can be obtained by cutting back from the Full Alternative Plan.

There are many ways of cutting back. So there are many feasible plans.

How do we select one of these feasible plans?

A criterion is needed:

Of all the feasible plans, select that plan which comes as close as possible to producing the needed graduates.

One way of specifying this criterion:

Maximize the sum of the manpower supply indicators (or minimize indicator gaps)

and

Constrain each manpower supply indicator to not exceed its desired level.

Desired levels of 100% eliminate over-supply. Desired levels may be set lower than 100% for overall policy trade-offs across occupations.

Example of the criterion:

Feasible Plan 1

Graduates

Occupation	Produced	Needed	Percent	Desired Percent	Gap
Distributive	6,000	10,000	60	100	40
Health	2,000	8,000	25	100	75
Technical	8,000	12,000	67	100	33
	16,000	30,000	152		

Feasible Plan 2

Graduates

Occupations	Produced	Needed	Percent	Desired Percent	Gap
Distributive	7,500	10,000	75	100	25
Health	2,500	8,000	31	100	69
Technical	6,000	12,000	50	100	50
	16,000	30,000	156		

Feasible Plan 2 is preferred to Feasible Plan 1.

A mathematical problem can then be formulated.

The Type of problem is called a Linear Programming Problem.

The general class of problems is

> Maximize or minimize a linear function subject to linear equation or linear inequality constraints.

Widely used and highly efficient algorithms are available for solving mathematical problems of this type.

THE EXAMPLE LINEAR PROGRAMMING PROBLEM

MATHEMATICIAN'S SIDE	LAYMAN'S SIDE
Minimize $MIG_1 + MIG_2 + MIG_3$	Minimize the sum of the Manpower Indicator Gaps
Subject to:	Subject to:
$\frac{\sum_{j=1}^{N} (MT_{ij} \times GC_j \times P_j)}{GN_i} + MIG_i = MDIL_i \quad i = 1,2,3$	For each manpower type, the Manpower Indicator Level (graduates produced versus needed) plus the Manpower Indicator Gap must equal the Manpower Indicator Desired Level.
$\sum_{j=1}^{N} (BT_{kj} \times CC_j \times P_j) \leq EA_k \quad k = 1,2,3$	For each budget type, the total expenditures allocated must be less than or equal to the total expenditures available.
$LDIU \leq \frac{\sum_{j=1}^{N} (UT_j \times CC_j \times P_j)}{\sum_{j=1}^{N} (CC_j \times P_j)} \leq UDIU$	Urban Expenditure Indicator Level must be at or between the minimum desired level and the maximum desired level.
$LDID \leq \frac{\sum_{j=1}^{N} (DT_j \times CC_j \times P_j)}{\sum_{j=1}^{N} (CC_j \times P_j)} \leq UDID$	High Drop-out Expenditure Indicator Level must be at or between the minimum desired level and the maximum desired level.
$LDIE \leq \frac{\sum_{j=1}^{N} (ET_j \times CC_j \times P_j)}{\sum_{j=1}^{N} (CC_j \times P_j)} \leq UDIE$	High Unemployment Expenditure Indicator Level must be at or between the minimum desired level and the maximum desired level.

$LDIC \leq \frac{\sum_{j=1}^{N} (CT_j \times CC_j \times P_j)}{\sum_{j=1}^{N} (CC_j \times P_j)} \leq UDIC$	County Vocational Schools Expenditure Indicator Level must be at or between the minimum desired level and the maximum desired level.
$LDIA \leq \frac{\sum_{j=1}^{N} (AT_j \times CC_j \times P_j)}{\sum_{j=1}^{N} (CC_j \times P_j)} \leq UDIA$	Area Vocational-Technical Schools Expenditure Indicator Level must be at or between the minimum desired level and the maximum desired level.
$0 \leq P_j \leq 1$ $j = 1, \ldots, N$	For each application, the proportion funded must be at or between 0 and 1.

Notation

Symbols

$\sum$ = Sum over

$\leq$ = Less than or equal to

$\geq$ = Greater than or equal to

Input Data

GN_i = Graduates needed of the ith occupation type where i=1 is Distributive, i=2 is Health, and i=3 is Technical

EA_k = Total dollars available of the kth budget type where k=1 is Regular, k=2 is Disadvantaged, and k=3 is Handicapped

$MDIL_i$ = Manpower Supply Desired Indicator Level of the ith occupation type

LDIU = Desired Minimum Urban Expenditure Indicator Level

UDIU = Desired Maximum Urban Expenditure Indicator Level

LDID = Desired Minimum High Drop-out Expenditure Indicator Level

UDID = Desired Maximum High Drop-out Expenditure Indicator Level

LDIE = Desired Minimum High Unemployment Expenditure Indicator Level

UDIE = Desired Maximum High Unemployment Expenditure Indicator Level

LDIC = Desired Minimum County Vocational Schools Expenditure Indicator Level

UDIC = Desired Maximum County Vocational Schools Expenditure Indicator Level

LDIA = Desired Minimum Area Vocational-Technical Schools Expenditure Indicator Level

UDIA = Desired Maximum Area Vocational-Technical Schools Expenditure Indicator Level

N = Number of applications

MT_{ij} = $\begin{cases} 1 & \text{if the jth application is for the ith occupation type} \\ 0 & \text{otherwise} \end{cases}$

BT_{kj} = $\begin{cases} 1 & \text{if the jth application is for the kth budget type} \\ 0 & \text{otherwise} \end{cases}$

UT_j = $\begin{cases} 1 & \text{if the jth application is for an urban area} \\ 0 & \text{otherwise} \end{cases}$

DT_j = $\begin{cases} 1 & \text{if the jth application is for a high drop-out rate area} \\ 0 & \text{otherwise} \end{cases}$

ET_j = $\begin{cases} 1 & \text{if the jth application is for a high unemployment rate area} \\ 0 & \text{otherwise} \end{cases}$

CT_j = $\begin{cases} 1 & \text{if the jth application is from a County Vocational School} \\ 0 & \text{otherwise} \end{cases}$

AT_j = $\begin{cases} 1 & \text{if the jth application is from an Area Vocational-Technical School} \\ 0 & \text{otherwise} \end{cases}$

GC_j = The graduate capacity of the jth application

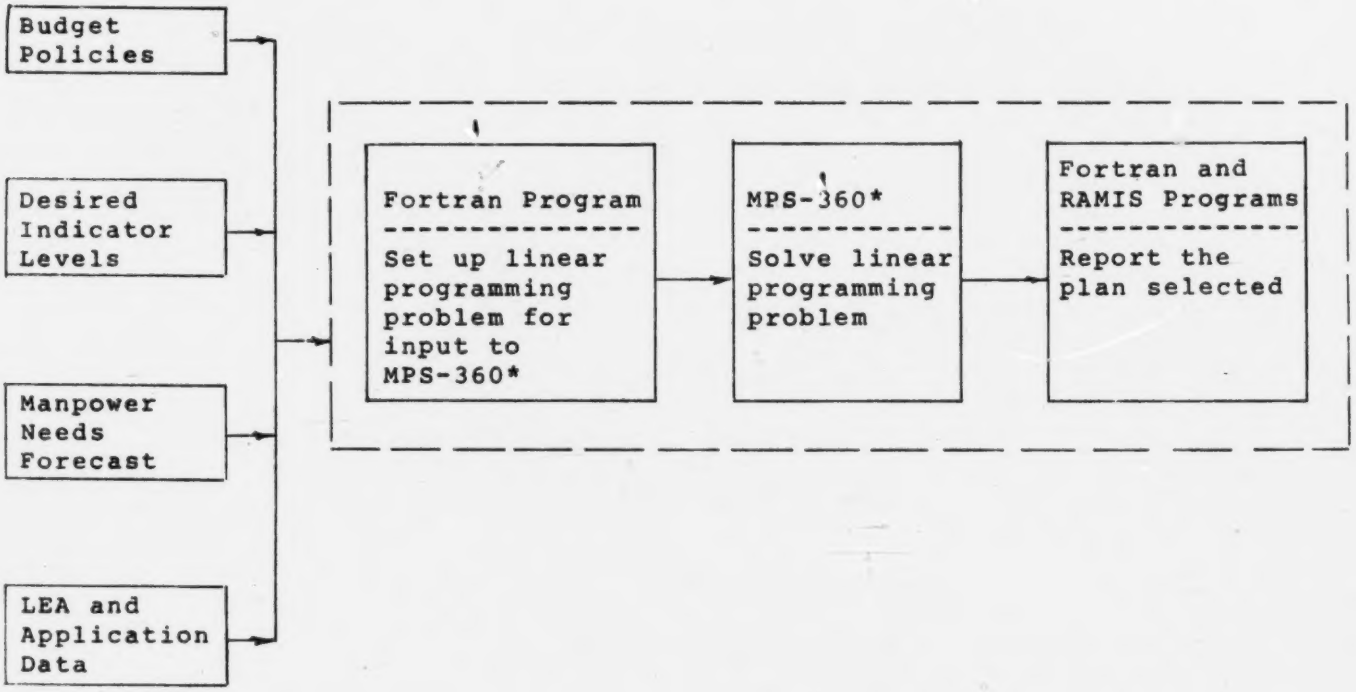
CC_j = The total cost in Federal and/or state funds for the jth application at graduate capacity

Output Data

P_j = Proportion the jth application is to be funded, where p_j=o means not funded, p_j=1 means fully funded at capacity and o p_j 1 means partially funded.

MIG_i = Manpower supply indicator gap of the ith occupation type

FINDING THE "BEST FEASIBLE" PLAN



*Mathematical Programming System-360.

The "Best - Feasible" Plan

284 Programs are fully funded at their capacities.

6 Programs are partially funded.

110 Programs are not funded.

Each program has the following data in addition to its input data:

1. Approval Code

   Full = Fully funded at capacity

   PART = Partially funded below capacity

   NØT = Not funded

2. Approval Percent

   100% = Fully funded

   Greater than 0% and less than 100% = Partially funded

   0% = Not funded

3. Approved graduates =

   (Approved Percent/100) x graduate capacity

4. Approved cost =

   (Approved Percent/100) x total cost at capacity

FIRMS CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

APPLN	TYPE	LEA	URBAN	DRUPOLT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
168	CONT	CVS	URBN	HIGH	LOW	DSTB	REG	45	78.38	3527	FULL	100.0	45	3527
51	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	41	62.49	2562	FULL	100.0	41	2562
108	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	54	59.30	3202	FULL	100.0	54	3202
161	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	42	70.19	2947	FULL	100.0	42	2947
236	CONT	CVS	NOT	HIGH	HIGH	DSTB	REG	45	68.21	3069	FULL	100.0	45	3069
63	CONT	CVS	NOT	HIGH	LOW	DSTB	REG	44	55.45	2439	FULL	100.0	44	2439
85	CONT	CVS	NOT	HIGH	LOW	DSTB	REG	48	69.94	3357	FULL	100.0	48	3357
9	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	52	71.61	3723	FULL	100.0	52	3723
45	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	53	67.07	3554	FULL	100.0	53	3554
185	CONT	CVS	NOT	LOW	HIGH	DSTB	REG	49	63.45	3109	FULL	100.0	49	3109
21	CONT	CVS	NOT	LOW	LOW	DSTB	REG	50	66.87	3343	FULL	100.0	50	3343
41	CONT	CVS	NOT	LOW	LOW	DSTB	REG	41	54.91	2251	FULL	100.0	41	2251
78	CONT	CVS	NOT	LOW	LOW	DSTB	REG	38	71.88	2731	FULL	100.0	38	2731
102	CONT	CVS	NOT	LOW	LOW	DSTB	REG	37	66.18	2448	FULL	100.0	37	2448
160	CONT	CVS	NOT	LOW	LOW	DSTB	REG	54	70.58	3811	FULL	100.0	54	3811
182	CONT	CVS	NOT	LOW	LOW	DSTB	REG	45	54.21	2439	FULL	100.0	45	2439
244	CONT	CVS	NOT	LOW	LOW	DSTB	REG	44	55.44	2439	FULL	100.0	44	2439
60	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	53	69.90	3704	FULL	100.0	53	3704
269	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	51	66.08	3370	FULL	100.0	51	3370
275	CONT	AVTS	URBN	HIGH	HIGH	DSTB	REG	39	62.45	2435	FULL	100.0	39	2435
111	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	52	66.73	3469	FULL	100.0	52	3469
146	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	36	75.77	2727	FULL	100.0	36	2727
204	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	40	66.75	2670	FULL	100.0	40	2670
266	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	49	74.50	3650	FULL	100.0	49	3650
268	CONT	AVTS	URBN	HIGH	LOW	DSTB	REG	37	64.13	2372	FULL	100.0	37	2372
200	CONT	AVTS	URBN	LOW	HIGH	DSTB	REG	45	71.62	3222	FULL	100.0	45	3222
210	CONT	AVTS	URBN	LOW	HIGH	DSTB	REG	46	73.31	3372	FULL	100.0	46	3372
64	CONT	AVTS	URBN	LOW	LOW	DSTB	REG	48	74.53	3577	FULL	100.0	48	3577
7	CONT	AVTS	NOT	HIGH	HIGH	DSTB	REG	46	66.21	3045	FULL	100.0	46	3045
291	CONT	AVTS	NOT	HIGH	HIGH	DSTB	REG	39	64.46	2513	FULL	100.0	39	2513
59	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	45	67.84	3052	FULL	100.0	45	3052
77	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	52	57.64	2997	FULL	100.0	52	2997
249	CONT	AVTS	NOT	HIGH	LOW	DSTB	REG	51	55.80	2845	FULL	100.0	51	2845
278	CONT	AVTS	NOT	LOW	HIGH	DSTB	REG	35	66.89	2341	FULL	100.0	35	2341
189	CONT	AVTS	NOT	LOW	LOW	DSTB	REG	36	58.77	2115	FULL	100.0	36	2115
25	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	41	73.15	2999	FULL	100.0	41	2999
70	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	37	77.51	2867	FULL	100.0	37	2867
83	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	50	68.87	3443	FULL	100.0	50	3443
144	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	36	64.73	2330	FULL	100.0	36	2330
151	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	48	64.64	3102	FULL	100.0	48	3102
226	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	47	75.90	3567	FULL	100.0	47	3567
233	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	42	68.82	2890	FULL	100.0	42	2890
239	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	37	79.72	2949	FULL	100.0	37	2949
259	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	35	73.66	2578	FULL	100.0	35	2578
261	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	49	79.76	3908	FULL	100.0	49	3908
274	CONT	SD	URBN	HIGH	HIGH	DSTB	REG	39	60.58	2362	FULL	100.0	39	2362
10	CONT	SD	URBN	HIGH	LOW	DSTB	REG	52	66.93	3480	FULL	100.0	52	3480
56	CONT	SD	URBN	HIGH	LOW	DSTB	REG	35	66.10	2313	FULL	100.0	35	2313
95	CONT	SD	URBN	HIGH	LOW	DSTB	REG	51	77.39	3946	FULL	100.0	51	3946
187	CONT	SD	URBN	HIGH	LOW	DSTB	REG	38	69.01	2622	FULL	100.0	38	2622

PLAN CLOSEST TO MANAGER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
212	CONT	SD	URBN	HIGH	LOW	DSTB	REG	37	65.20	2412	FULL	100.0	37	2412
252	CONT	SD	URBN	HIGH	LOW	DSTB	REG	38	70.99	2697	FULL	100.0	38	2697
255	CONT	SD	URBN	HIGH	LOW	DSTB	REG	43	64.75	2784	FULL	100.0	43	2784
9	CONT	SD	URBN	LOW	HIGH	DSTB	REG	41	74.37	3049	FULL	100.0	41	3049
86	CONT	SD	URBN	LOW	HIGH	DSTB	REG	47	62.04	2915	FULL	100.0	47	2915
115	CONT	SD	URBN	LOW	HIGH	DSTB	REG	54	76.79	4146	FULL	100.0	54	4146
26	CONT	SD	URBN	LOW	LOW	DSTB	REG	50	80.81	4040	FULL	100.0	50	4040
287	CONT	SD	URBN	LOW	LOW	DSTB	REG	51	62.70	3197	FULL	100.0	51	3197
6	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	56.86	1990	FULL	100.0	35	1990
29	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	64.55	2259	FULL	100.0	35	2259
32	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	35	56.37	1972	FULL	100.0	35	1972
57	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	51	71.98	3670	FULL	100.0	51	3670
116	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	47	66.99	3148	FULL	100.0	47	3148
286	CONT	SD	NOT	HIGH	HIGH	DSTB	REG	49	67.90	3327	FULL	100.0	49	3327
227	CONT	SD	NOT	HIGH	LOW	DSTB	REG	37	70.26	2599	FULL	100.0	37	2599
257	CONT	SD	NOT	HIGH	LOW	DSTB	REG	54	68.83	3716	FULL	100.0	54	3716
12	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	67.17	2552	FULL	100.0	38	2552
55	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	65.07	2472	FULL	100.0	38	2472
91	CONT	SD	NOT	LOW	HIGH	DSTB	REG	44	57.81	2543	FULL	100.0	44	2543
118	CONT	SD	NOT	LOW	HIGH	DSTB	REG	48	55.33	2655	FULL	100.0	48	2655
209	CONT	SD	NOT	LOW	HIGH	DSTB	REG	38	61.08	2321	FULL	100.0	38	2321
1	CONT	SD	NOT	LOW	LOW	DSTB	REG	53	71.19	3773	FULL	100.0	53	3773
14	CONT	SD	NOT	LOW	LOW	DSTB	REG	37	60.33	2232	FULL	100.0	37	2232
61	CONT	SD	NOT	LOW	LOW	DSTB	REG	46	72.69	3343	FULL	100.0	46	3343
101	CONT	SD	NOT	LOW	LOW	DSTB	REG	49	59.37	2909	FULL	100.0	49	2909
264	CONT	SD	NOT	LOW	LOW	DSTB	REG	52	54.30	2823	FULL	100.0	52	2823
270	CONT	SD	NOT	LOW	LOW	DSTB	REG	52	60.50	3146	FULL	100.0	52	3146
238	CONT	CVS	URBN	LOW	HIGH	HLTH	REG	36	88.18	3174	FULL	100.0	36	3174
271	CONT	CVS	NOT	HIGH	HIGH	HLTH	REG	25	81.98	2049	FULL	100.0	25	2049
30	CONT	CVS	NOT	LOW	LOW	HLTH	REG	25	92.06	2301	FULL	100.0	25	2301
157	CONT	AVTS	URBN	HIGH	LOW	HLTH	REG	39	88.94	3468	FULL	100.0	39	3468
198	CONT	AVTS	URBN	HIGH	LOW	HLTH	REG	26	93.92	2441	FULL	100.0	26	2441
219	CONT	AVTS	NOT	HIGH	LOW	HLTH	REG	35	90.89	3149	FULL	100.0	35	3149
52	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	36	95.86	3450	FULL	100.0	36	3450
211	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	29	100.98	2928	FULL	100.0	29	2928
248	CONT	SD	URBN	HIGH	HIGH	HLTH	REG	38	86.31	3279	FULL	100.0	38	3279
148	CONT	SD	URBN	LOW	LOW	HLTH	REG	28	82.55	2311	FULL	100.0	28	2311
24	CONT	SD	NOT	HIGH	LOW	HLTH	REG	32	74.54	2385	FULL	100.0	32	2385
67	CONT	SD	NOT	LOW	HIGH	HLTH	REG	31	75.02	2325	FULL	100.0	31	2325
5	CONT	SD	NOT	LOW	LOW	HLTH	REG	35	93.51	3272	FULL	100.0	35	3272
165	CONT	SD	NOT	LOW	LOW	HLTH	REG	29	76.21	2217	FULL	100.0	29	2217
223	CONT	SD	NOT	LOW	LOW	HLTH	REG	25	90.56	2250	FULL	100.0	25	2250
133	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	66	70.40	4646	FULL	100.0	66	4646
194	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	53	70.08	3714	FULL	100.0	53	3714
285	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	73	71.69	5233	FULL	100.0	73	5233
296	CONT	CVS	URBN	HIGH	HIGH	TECH	REG	54	80.12	4326	FULL	100.0	54	4326
284	CONT	CVS	URBN	HIGH	LOW	TECH	REG	53	82.93	4395	NOT	0.0	0	0
184	CONT	CVS	URBN	LOW	HIGH	TECH	REG	48	81.59	3916	NOT	0.0	0	0
75	CONT	CVS	URBN	LOW	LOW	TECH	REG	48	88.75	4260	NOT	0.0	0	0
139	CONT	CVS	URBN	LOW	LOW	TECH	REG	50	78.74	3936	NOT	0.0	0	0

PLAN CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
49	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	66	71.30	4705	FULL	100.0	66	4705
92	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	66	75.01	4950	FULL	100.0	66	4950
173	CONT	CVS	NOT	HIGH	HIGH	TECH	REG	72	73.45	5288	FULL	100.0	72	5288
65	CONT	CVS	NOT	HIGH	LOW	TECH	REG	54	73.98	3994	FULL	100.0	54	3994
80	CONT	CVS	NOT	HIGH	LOW	TECH	REG	64	75.06	4803	FULL	100.0	64	4803
158	CONT	CVS	NOT	HIGH	LOW	TECH	REG	45	78.65	3539	NOT	0.0	0	0
217	CONT	CVS	NOT	HIGH	LOW	TECH	REG	65	64.07	4164	FULL	100.0	65	4164
3	CONT	CVS	NOT	LOW	HIGH	TECH	REG	52	65.02	3381	FULL	100.0	52	3381
28	CONT	CVS	NOT	LOW	HIGH	TECH	REG	53	81.09	4297	NOT	0.0	0	0
164	CONT	CVS	NOT	LOW	HIGH	TECH	REG	54	68.67	3708	FULL	100.0	54	3708
175	CONT	CVS	NOT	LOW	HIGH	TECH	REG	68	75.97	5165	FULL	100.0	68	5165
4	CONT	CVS	NOT	LOW	LOW	TECH	REG	56	81.22	4548	NOT	0.0	0	0
42	CONT	CVS	NOT	LOW	LOW	TECH	REG	67	79.99	5292	NOT	0.0	0	0
73	CONT	CVS	NOT	LOW	LOW	TECH	REG	67	64.32	4309	FULL	100.0	67	4309
106	CONT	CVS	NOT	LOW	LOW	TECH	REG	69	70.05	4833	FULL	100.0	69	4833
113	CONT	CVS	NOT	LOW	LOW	TECH	REG	50	67.40	3369	FULL	100.0	50	3369
125	CONT	CVS	NOT	LOW	LOW	TECH	REG	47	81.02	3807	NOT	0.0	0	0
245	CONT	CVS	NOT	LOW	LOW	TECH	REG	60	82.57	4954	NOT	0.0	0	0
47	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	53	74.39	3942	FULL	100.0	53	3942
119	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	49	89.21	4371	NOT	0.0	0	0
126	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	63	87.47	5510	NOT	0.0	0	0
152	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	88.10	6078	NOT	0.0	0	0
203	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	87.34	6026	NOT	0.0	0	0
206	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	69	89.27	6159	NOT	0.0	0	0
250	CONT	AVTS	URBN	HIGH	HIGH	TECH	REG	67	88.81	5950	NOT	0.0	0	0
178	CONT	AVTS	URBN	LOW	HIGH	TECH	REG	72	70.33	5063	FULL	100.0	72	5063
272	CONT	AVTS	URBN	LOW	HIGH	TECH	REG	70	78.79	5515	FULL	100.0	70	5515
69	CONT	AVTS	URBN	LOW	LOW	TECH	REG	66	81.25	5362	NOT	0.0	0	0
166	CONT	AVTS	URBN	LOW	LOW	TECH	REG	63	80.61	5078	NOT	0.0	0	0
176	CONT	AVTS	URBN	LOW	LOW	TECH	REG	53	82.75	4385	NOT	0.0	0	0
33	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	47	65.78	3091	FULL	100.0	47	3091
87	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	69	66.78	4607	FULL	100.0	69	4607
128	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	64	65.22	4174	FULL	100.0	64	4174
137	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	57	71.45	4072	FULL	100.0	57	4072
205	CONT	AVTS	NOT	HIGH	HIGH	TECH	REG	55	73.42	4039	FULL	100.0	55	4038
36	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	55	73.13	4022	FULL	100.0	55	4022
156	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	65	82.10	5336	NOT	0.0	0	0
207	CONT	AVTS	NOT	HIGH	LOW	TECH	REG	60	74.16	4449	FULL	100.0	60	4449
141	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	55	65.82	3620	FULL	100.0	55	3620
142	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	64	79.09	5061	FULL	100.0	64	5061
220	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	50	82.34	4116	NOT	0.0	0	0
232	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	58	66.37	3849	FULL	100.0	58	3849
251	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	71	66.10	4693	FULL	100.0	71	4693
296	CONT	AVTS	NOT	LOW	HIGH	TECH	REG	51	79.28	4043	FULL	100.0	51	4043
94	CONT	AVTS	NOT	LOW	LOW	TECH	REG	69	77.52	5348	NOT	0.0	0	0
112	CONT	AVTS	NOT	LOW	LOW	TECH	REG	66	72.37	4776	FULL	100.0	66	4776
234	CONT	AVTS	NOT	LOW	LOW	TECH	REG	72	74.15	5338	FULL	100.0	72	5338
299	CONT	AVTS	NOT	LOW	LOW	TECH	REG	74	67.20	4972	FULL	100.0	74	4972
19	CONT	SD	URBN	HIGH	HIGH	TECH	REG	50	75.22	3760	FULL	100.0	50	3760
46	CONT	SD	URBN	HIGH	HIGH	TECH	REG	66	88.04	5810	NOT	0.0	0	0.

PLAN CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
53	CONT	SD	URBN	HIGH	HIGH	TECH	REG	70	83.17	5821	NOT	0.0	0	0
93	CONT	SD	URBN	HIGH	HIGH	TECH	REG	67	74.59	4997	FULL	100.0	67	4997
97	CONT	SD	URBN	HIGH	HIGH	TECH	REG	48	82.95	3981	NOT	0.0	0	0
98	CONT	SD	URBN	HIGH	HIGH	TECH	REG	60	81.19	4871	NOT	0.0	0	0
122	CONT	SD	URBN	HIGH	HIGH	TECH	REG	46	89.43	4113	NOT	0.0	0	0
132	CONT	SD	URBN	HIGH	HIGH	TECH	REG	53	80.56	4269	NOT	0.0	0	0
138	CONT	SD	URBN	HIGH	HIGH	TECH	REG	73	80.26	5858	FULL	100.0	73	5858
145	CONT	SD	URBN	HIGH	HIGH	TECH	REG	56	80.29	4496	FULL	100.0	56	4496
153	CONT	SD	URBN	HIGH	HIGH	TECH	REG	59	91.92	5423	NOT	0.0	0	0
174	CONT	SD	URBN	HIGH	HIGH	TECH	REG	64	81.90	5241	NOT	0.0	0	0
177	CONT	SD	URBN	HIGH	HIGH	TECH	REG	71	85.31	6057	NOT	0.0	0	0
181	CONT	SD	URBN	HIGH	HIGH	TECH	REG	64	88.65	5673	NOT	0.0	0	0
197	CONT	SD	URBN	HIGH	HIGH	TECH	REG	67	80.90	5420	NOT	0.0	0	0
199	CONT	SD	URBN	HIGH	HIGH	TECH	REG	51	89.62	4570	NOT	0.0	0	0
201	CONT	SD	URBN	HIGH	HIGH	TECH	REG	68	90.90	6181	NOT	0.0	0	0
221	CONT	SD	URBN	HIGH	HIGH	TECH	REG	66	91.64	6048	NOT	0.0	0	0
228	CONT	SD	URBN	HIGH	HIGH	TECH	REG	56	88.91	4978	NOT	0.0	0	0
240	CONT	SD	URBN	HIGH	HIGH	TECH	REG	50	84.28	4213	NOT	0.0	0	0
246	CONT	SD	URBN	HIGH	HIGH	TECH	REG	53	86.22	4569	NOT	0.0	0	0
256	CONT	SD	URBN	HIGH	HIGH	TECH	REG	59	80.91	4773	NOT	0.0	0	0
267	CONT	SD	URBN	HIGH	HIGH	TECH	REG	47	70.54	3315	FULL	100.0	47	3315
279	CONT	SD	URBN	HIGH	HIGH	TECH	REG	47	76.14	3578	FULL	100.0	47	3579
35	CONT	SD	URBN	HIGH	LOW	TECH	REG	61	86.67	5286	NOT	0.0	0	0
82	CONT	SD	URBN	HIGH	LOW	TECH	REG	68	78.97	5369	NOT	0.0	0	0
84	CONT	SD	URBN	HIGH	LOW	TECH	REG	54	70.39	3801	FULL	100.0	54	3801
123	CONT	SD	URBN	HIGH	LOW	TECH	REG	46	84.32	3878	NOT	0.0	0	0
147	CONT	SD	URBN	HIGH	LOW	TECH	REG	59	70.12	4137	FULL	100.0	59	4137
206	CONT	SD	URBN	HIGH	LOW	TECH	REG	61	89.76	5475	NOT	0.0	0	0
229	CONT	SD	URBN	HIGH	LOW	TECH	REG	67	74.91	5018	FULL	100.0	67	5018
262	CONT	SD	URBN	HIGH	LOW	TECH	REG	73	83.98	6130	NOT	0.0	0	0
292	CONT	SD	URBN	HIGH	LOW	TECH	REG	59	84.16	4965	NOT	0.0	0	0
103	CONT	SD	URBN	LOW	HIGH	TECH	REG	70	90.68	6347	NOT	0.0	0	0
243	CONT	SD	URBN	LOW	HIGH	TECH	REG	63	83.51	5261	NOT	0.0	0	0
290	CONT	SD	URBN	LOW	HIGH	TECH	REG	74	74.35	5501	FULL	100.0	74	5501
54	CONT	SD	NOT	HIGH	HIGH	TECH	REG	68	82.12	5584	NOT	0.0	0	0
104	CONT	SD	NOT	HIGH	HIGH	TECH	REG	57	65.04	3707	FULL	100.0	57	3707
134	CONT	SD	NOT	HIGH	HIGH	TECH	REG	49	70.45	3452	FULL	100.0	49	3452
140	CONT	SD	NOT	HIGH	HIGH	TECH	REG	46	66.59	3063	FULL	100.0	46	3063
179	CONT	SD	NOT	HIGH	HIGH	TECH	REG	67	74.77	5009	FULL	100.0	67	5009
237	CONT	SD	NOT	HIGH	HIGH	TECH	REG	49	75.76	3712	FULL	100.0	49	3712
15	CONT	SD	NOT	HIGH	LOW	TECH	REG	52	72.20	3754	FULL	100.0	52	3754
48	CONT	SD	NOT	HIGH	LOW	TECH	REG	53	67.30	3903	FULL	100.0	58	3903
76	CONT	SD	NOT	HIGH	LOW	TECH	REG	54	75.30	4066	FULL	100.0	54	4066
109	CONT	SD	NOT	HIGH	LOW	TECH	REG	50	80.55	4027	NOT	0.0	0	0
190	CONT	SD	NOT	HIGH	LOW	TECH	REG	60	83.84	5030	NOT	0.0	0	0
213	CONT	SD	NOT	HIGH	LOW	TECH	REG	58	64.33	3731	FULL	100.0	58	3731
230	CONT	SD	NOT	HIGH	LOW	TECH	REG	45	66.77	3004	FULL	100.0	45	3004
294	CONT	SD	NOT	HIGH	LOW	TECH	REG	55	75.56	4155	FULL	100.0	55	4155
297	CONT	SD	NOT	HIGH	LOW	TECH	REG	70	71.09	4976	FULL	100.0	70	4976
17	CONT	SD	NOT	LOW	HIGH	TECH	REG	53	81.16	4707	NOT	0.0	0	0

PLAN CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

APPLN	TYPE	LEA	URBAN	DRPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
34	CONT	SD	NOT	LOW	HIGH	TECH	REG	66	77.58	5120	FULL	100.0	66	5120
50	CONT	SD	NOT	LOW	HIGH	TECH	REG	54	70.10	3785	FULL	100.0	54	3785
162	CONT	SD	NOT	LOW	HIGH	TECH	REG	59	81.44	4804	NOT	0.0	0	0
163	CONT	SD	NOT	LOW	HIGH	TECH	REG	50	72.99	3648	FULL	100.0	50	3648
170	CONT	SD	NOT	LOW	HIGH	TECH	REG	60	81.77	4906	NOT	0.0	0	0
247	CONT	SD	NOT	LOW	HIGH	TECH	REG	64	70.00	4480	FULL	100.0	64	4480
277	CONT	SD	NOT	LOW	HIGH	TECH	REG	55	65.65	3610	FULL	100.0	55	3610
289	CONT	SD	NOT	LOW	HIGH	TECH	REG	63	72.25	4551	FULL	100.0	63	4551
39	CONT	SD	NOT	LOW	LOW	TECH	REG	65	77.20	5017	NOT	0.0	0	0
40	CONT	SD	NOT	LOW	LOW	TECH	REG	47	76.62	3601	NOT	0.0	0	0
43	CONT	SD	NOT	LOW	LOW	TECH	REG	66	81.94	5408	NOT	0.0	0	0
58	CONT	SD	NOT	LOW	LOW	TECH	REG	66	72.94	4814	FULL	100.0	66	4814
71	CONT	SD	NOT	LOW	LOW	TECH	REG	52	66.17	3440	FULL	100.0	52	3440
86	CONT	SD	NOT	LOW	LOW	TECH	REG	46	68.19	3136	FULL	100.0	46	3136
100	CONT	SD	NOT	LOW	LOW	TECH	REG	53	79.32	4203	NOT	0.0	0	0
105	CONT	SD	NOT	LOW	LOW	TECH	REG	63	69.84	4399	FULL	100.0	63	4399
260	CONT	SD	NOT	LOW	LOW	TECH	REG	57	78.64	4482	NOT	0.0	0	0
281	CONT	SD	NOT	LOW	LOW	TECH	REG	63	68.63	4323	FULL	100.0	63	4323
263	CONT	CVS	NOT	HIGH	HIGH	DSTB	DIS	87	347.08	30195	FULL	100.0	87	30195
16	CONT	CVS	NOT	LOW	LOW	DSTB	DIS	88	370.16	32574	FULL	100.0	88	32574
68	CONT	AVTS	URBN	HIGH	HIGH	DSTB	DIS	95	400.02	38001	FULL	100.0	95	38001
167	CONT	AVTS	URBN	HIGH	HIGH	DSTB	DIS	94	411.30	38662	FULL	100.0	94	38662
180	CONT	AVTS	URBN	HIGH	LOW	DSTB	DIS	88	408.30	35938	FULL	100.0	88	35938
13	CONT	AVTS	NOT	HIGH	LOW	DSTB	DIS	96	369.73	35494	FULL	100.0	96	35494
44	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	88	397.30	34962	FULL	100.0	88	34962
90	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	82	414.09	33955	FULL	100.0	82	33955
155	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	94	399.17	37521	FULL	100.0	94	37521
231	CONT	SD	URBN	HIGH	HIGH	DSTB	DIS	90	410.74	36966	FULL	100.0	90	36966
27	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	93	402.82	37462	FULL	100.0	93	37462
275	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	77	402.67	31005	FULL	100.0	77	31005
293	CONT	SD	URBN	LOW	HIGH	DSTB	DIS	81	380.91	30853	FULL	100.0	81	30853
135	CONT	SD	NOT	HIGH	HIGH	DSTB	DIS	94	348.10	32721	FULL	100.0	94	32721
121	CONT	SD	NOT	LOW	LOW	DSTB	DIS	85	343.01	29155	FULL	100.0	85	29155
129	CONT	SD	NOT	LOW	LOW	DSTB	DIS	98	374.35	36687	PART	33.7	33	12359
103	CONT	AVTS	NOT	LOW	LOW	HLTH	DIS	80	378.24	30259	FULL	100.0	80	30259
37	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	68	405.87	27667	FULL	100.0	68	27667
235	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	79	409.23	32329	FULL	100.0	79	32329
282	CONT	SD	URBN	HIGH	HIGH	HLTH	DIS	81	434.23	35172	FULL	100.0	81	35172
218	CONT	SD	URBN	LOW	HIGH	HLTH	DIS	71	433.39	30770	FULL	100.0	71	30770
300	CONT	SD	NOT	HIGH	LOW	HLTH	DIS	76	376.83	28639	FULL	100.0	76	28639
172	CONT	SD	NOT	LOW	HIGH	HLTH	DIS	84	386.35	32453	FULL	100.0	84	32453
171	CONT	SD	NOT	LOW	LOW	HLTH	DIS	80	399.49	31959	FULL	100.0	80	31959
191	CONT	CVS	URBN	HIGH	HIGH	TECH	DIS	95	418.84	39789	NOT	0.0	0	0
74	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	99	385.97	38201	FULL	100.0	99	38201
186	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	86	364.11	31313	FULL	100.0	86	31313
295	CONT	CVS	NOT	HIGH	HIGH	TECH	DIS	93	366.72	34104	FULL	100.0	93	34104
66	CONT	CVS	NOT	LOW	HIGH	TECH	DIS	93	361.09	33581	NOT	0.0	0	0
23	CONT	CVS	NOT	LOW	LOW	TECH	DIS	104	374.67	38965	NOT	0.0	0	0
225	CONT	CVS	NOT	LOW	LOW	TECH	DIS	106	380.02	40282	NOT	0.0	0	0
222	CONT	AVTS	URBN	HIGH	LOW	TECH	DIS	101	388.17	39205	NOT	0.0	0	0

PLANS CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AVEP, AND LEA POLICIES

APPL'S	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
52	CONT	AVTS	URBN	LOW	HIGH	TECH	DIS	87	423.69	36861	NOT	0.0	0	0
110	CONT	AVTS	NOT	HIGH	HIGH	TECH	DIS	102	351.55	35818	FULL	100.0	102	35818
188	CONT	AVTS	NOT	HIGH	HIGH	TECH	DIS	106	358.15	37963	FULL	100.0	106	37963
114	CONT	AVTS	NOT	HIGH	LOW	TECH	DIS	98	365.74	35842	FULL	100.0	98	35842
183	CONT	AVTS	NOT	LOW	HIGH	TECH	DIS	102	381.55	41588	PART	72.2	86	32959
81	CONT	AVTS	RLT	LOW	LOW	TECH	DIS	104	362.10	37658	NOT	0.0	0	0
169	CONT	AVTS	NOT	LOW	LOW	TECH	DIS	100	340.34	38033	NOT	0.0	0	0
18	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	101	410.78	41486	NOT	0.0	0	0
124	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	87	407.90	35487	NOT	0.0	0	0
131	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	103	402.44	41451	PART	34.6	35	14358
202	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	85	388.03	32992	FULL	100.0	85	32982
273	CONT	SD	URBN	HIGH	HIGH	TECH	DIS	91	427.27	38891	NOT	0.0	0	0
88	CONT	SD	URBN	HIGH	LOW	TECH	DIS	103	394.71	40655	NOT	0.0	0	0
154	CONT	SD	URBN	HIGH	LOW	TECH	DIS	96	423.01	40608	NOT	0.0	0	0
192	CONT	SD	URBN	HIGH	LOW	TECH	DIS	107	399.27	42721	NOT	0.0	0	0
254	CONT	SD	URBN	HIGH	LOW	TECH	DIS	105	405.82	43016	NOT	0.0	0	0
38	CONT	SD	URBN	LOW	HIGH	TECH	DIS	99	407.85	40377	NOT	0.0	0	0
280	CONT	SD	URBN	LOW	HIGH	TECH	DIS	92	396.07	36438	NOT	0.0	0	0
253	CONT	SD	NOT	HIGH	HIGH	TECH	DIS	99	353.86	34678	FULL	100.0	98	34678
283	CONT	SD	NOT	HIGH	HIGH	TECH	DIS	91	384.83	35024	FULL	100.0	91	35024
224	CONT	SD	NOT	LOW	HIGH	TECH	DIS	107	351.87	37650	FULL	100.0	107	37650
259	CONT	SD	NOT	LOW	HIGH	TECH	DIS	101	354.99	35853	FULL	100.0	101	35853
96	CONT	SD	NOT	LOW	LOW	TECH	DIS	94	370.79	34854	NOT	0.0	0	0
196	CONT	CVS	NOT	HIGH	LOW	DSTB	HAND	72	420.80	30297	FULL	100.0	72	30297
136	CONT	CVS	NOT	LOW	LOW	DSTB	HAND	74	421.21	31169	FULL	100.0	74	31169
241	CONT	AVTS	NOT	LOW	LOW	DSTB	HAND	72	433.26	31194	FULL	100.0	72	31194
22	CONT	SD	URBN	HIGH	LOW	DSTB	HAND	69	473.69	32694	FULL	100.0	69	32694
159	CONT	CVS	NOT	LOW	HIGH	HLTH	HAND	61	430.52	26261	FULL	100.0	61	26261
242	CONT	AVTS	URBN	LOW	HIGH	HLTH	HAND	57	472.59	26937	FULL	100.0	57	26937
265	CONT	AVTS	URBN	LOW	LOW	HLTH	HAND	63	491.67	30975	FULL	100.0	63	30975
107	CONT	SD	NOT	HIGH	LOW	HLTH	HAND	56	440.58	24672	FULL	100.0	56	24672
117	CONT	CVS	URBN	HIGH	LOW	TECH	HAND	92	480.35	44192	NOT	0.0	0	0
31	CONT	CVS	NOT	LOW	LOW	TECH	HAND	76	432.49	32869	NOT	0.0	0	0
11	CONT	AVTS	URBN	HIGH	HIGH	TECH	HAND	91	461.05	41955	FULL	100.0	91	41955
127	CONT	AVTS	URBN	HIGH	HIGH	TECH	HAND	92	468.31	43084	FULL	100.0	92	43084
195	CONT	AVTS	URBN	HIGH	LOW	TECH	HAND	74	458.49	33957	FULL	100.0	74	33957
72	CONT	AVTS	NOT	LOW	HIGH	TECH	HAND	77	442.46	34069	FULL	100.0	77	34069
99	CONT	AVTS	NOT	LOW	LOW	TECH	HAND	79	427.91	33804	FULL	100.0	79	33804
150	CONT	AVTS	NOT	LOW	LOW	TECH	HAND	84	420.72	35340	FULL	100.0	84	35340
214	CONT	SD	URBN	HIGH	HIGH	TECH	HAND	78	456.86	35635	FULL	100.0	78	35635
130	CONT	SD	URBN	LOW	HIGH	TECH	HAND	91	484.83	44119	NOT	0.0	0	0
143	CONT	SD	URBN	LOW	HIGH	TECH	HAND	82	479.53	39321	FULL	100.0	82	39321
216	CONT	SD	URBN	LOW	LOW	TECH	HAND	84	483.49	43030	NOT	0.0	0	0
298	CONT	SD	URBN	LOW	LOW	TECH	HAND	74	461.69	34165	NOT	0.0	0	0
20	CONT	SD	NOT	HIGH	HIGH	TECH	HAND	85	417.68	35587	FULL	100.0	85	35587
72	CONT	SD	NOT	HIGH	HIGH	TECH	HAND	89	415.41	36971	FULL	100.0	89	36971
215	CONT	SD	NOT	HIGH	LOW	TECH	HAND	83	444.00	36850	FULL	100.0	83	36850
120	CONT	SD	NOT	LOW	HIGH	TECH	HAND	75	421.62	31621	FULL	100.0	75	31621
2	CONT	SD	NOT	LOW	LOW	TECH	HAND	74	421.43	31185	NOT	0.0	0	0
149	CONT	SD	NOT	LOW	LOW	TECH	HAND	87	442.65	38510	NOT	0.0	0	0

PLANS CLOSEST TO MANAGER POLICY AND FEASIBLE FOR BUDGET, AFEA, AND LEA POLICIES

APPLN	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PCNT	APPGRAD	APPCOST
361	NEW	CVS	URBN	HIGH	LOW	DSTB	REG	36	69.64	2507	FULL	100.0	36	2507
318	NEW	CVS	URBN	LOW	HIGH	DSTB	REG	48	64.23	3083	FULL	100.0	48	3083
325	NEW	CVS	NOT	HIGH	LOW	DSTB	REG	49	61.25	3001	FULL	100.0	49	3001
377	NEW	CVS	NOT	LOW	HIGH	DSTB	REG	37	73.75	2728	FULL	100.0	37	2728
317	NEW	CVS	NOT	LOW	LOW	DSTB	REG	44	62.50	2750	FULL	100.0	44	2750
321	NEW	CVS	NOT	LOW	LOW	DSTB	REG	41	59.27	2430	FULL	100.0	41	2430
364	NEW	CVS	NOT	LOW	LOW	DSTB	REG	39	69.78	2721	FULL	100.0	39	2721
356	NEW	AVTS	URBN	HIGH	HIGH	DSTB	REG	44	62.53	2751	FULL	100.0	44	2751
326	NEW	AVTS	NOT	LOW	HIGH	DSTB	REG	50	63.33	3166	FULL	100.0	50	3166
392	NEW	AVTS	NOT	LOW	HIGH	DSTB	REG	53	56.45	2991	FULL	100.0	53	2991
316	NEW	AVTS	NOT	LOW	LOW	DSTB	REG	35	64.90	2271	FULL	100.0	35	2271
330	NEW	SD	URBN	HIGH	HIGH	DSTB	REG	38	67.22	2554	FULL	100.0	38	2554
308	NEW	SD	URBN	HIGH	LOW	DSTB	REG	44	70.45	3099	FULL	100.0	44	3099
320	NEW	SD	URBN	HIGH	LOW	DSTB	REG	42	71.67	3010	FULL	100.0	42	3010
338	NEW	SD	URBN	LOW	LOW	DSTB	REG	36	59.58	2144	FULL	100.0	36	2144
336	NEW	SD	NOT	HIGH	LOW	DSTB	REG	38	70.63	2683	FULL	100.0	38	2683
340	NEW	SD	NOT	HIGH	LOW	DSTB	REG	37	57.59	2130	FULL	100.0	37	2130
375	NEW	SD	NOT	HIGH	LOW	DSTB	REG	47	56.19	2640	FULL	100.0	47	2640
358	NEW	SD	NOT	LOW	LOW	DSTB	REG	47	70.01	3290	FULL	100.0	47	3290
389	NEW	SD	NOT	LOW	LOW	DSTB	REG	49	69.05	3383	FULL	100.0	49	3383
324	NEW	CVS	URBN	HIGH	HIGH	HLTH	REG	25	83.09	2077	FULL	100.0	25	2077
397	NEW	CVS	NOT	HIGH	LOW	HLTH	REG	28	82.71	2315	FULL	100.0	28	2315
302	NEW	AVTS	URBN	HIGH	HIGH	HLTH	REG	29	89.69	2601	FULL	100.0	29	2601
337	NEW	AVTS	NOT	HIGH	HIGH	HLTH	REG	33	79.76	2632	FULL	100.0	33	2632
399	NEW	SD	URBN	HIGH	LOW	HLTH	REG	26	91.29	2373	FULL	100.0	26	2373
309	NEW	SD	NOT	HIGH	LOW	HLTH	REG	31	93.50	2901	FULL	100.0	31	2901
386	NEW	SD	NOT	HIGH	LOW	HLTH	REG	25	85.84	2146	FULL	100.0	25	2146
373	NEW	SD	NOT	LOW	LOW	HLTH	REG	28	74.03	2072	FULL	100.0	28	2072
372	NEW	CVS	URBN	LOW	HIGH	TECH	REG	61	72.80	4440	FULL	100.0	61	4440
327	NEW	CVS	NOT	HIGH	HIGH	TECH	REG	64	65.16	4170	FULL	100.0	64	4170
347	NEW	CVS	NOT	HIGH	HIGH	TECH	REG	57	79.82	4549	FULL	100.0	57	4549
313	NEW	CVS	NOT	HIGH	LOW	TECH	REG	63	82.57	5201	NOT	0.0	0	0
348	NEW	CVS	NOT	HIGH	LOW	TECH	REG	72	82.33	5927	NOT	0.0	0	0
391	NEW	CVS	NOT	HIGH	LOW	TECH	REG	64	74.69	4780	FULL	100.0	64	4780
396	NEW	CVS	NOT	HIGH	LOW	TECH	REG	56	83.40	4670	NOT	0.0	0	0
314	NEW	CVS	NOT	LOW	LOW	TECH	REG	48	71.82	3447	FULL	100.0	48	3447
353	NEW	CVS	NOT	LOW	LOW	TECH	REG	62	79.90	4953	NOT	0.0	0	0
363	NEW	AVTS	URBN	HIGH	HIGH	TECH	REG	60	80.23	4813	FULL	100.0	60	4813
333	NEW	AVTS	URBN	HIGH	LOW	TECH	REG	68	84.16	5722	NOT	0.0	0	0
395	NEW	AVTS	URBN	HIGH	LOW	TECH	REG	58	70.76	4104	FULL	100.0	58	4104
360	NEW	AVTS	URBN	LOW	HIGH	TECH	REG	67	87.99	5895	NOT	0.0	0	0
381	NEW	AVTS	URBN	LOW	LOW	TECH	REG	73	74.94	5470	FULL	100.0	73	5470
379	NEW	AVTS	NOT	HIGH	HIGH	TECH	REG	51	82.84	4224	NOT	0.0	0	0
310	NEW	AVTS	NOT	HIGH	LOW	TECH	REG	74	68.95	5102	FULL	100.0	74	5102
315	NEW	AVTS	NOT	LOW	HIGH	TECH	REG	52	76.02	3953	FULL	100.0	52	3953
345	NEW	AVTS	NOT	LOW	HIGH	TECH	REG	53	77.61	4113	FULL	100.0	53	4113
393	NEW	AVTS	NOT	LOW	HIGH	TECH	REG	55	64.11	3526	FULL	100.0	55	3526
304	NEW	AVTS	NOT	LOW	LOW	TECH	REG	55	76.54	4209	FULL	100.0	55	4209
343	NEW	AVTS	NOT	LOW	LOW	TECH	REG	62	67.67	4195	FULL	100.0	62	4195
356	NEW	AVTS	NOT	LOW	LOW	TECH	REG	64	75.72	4846	FULL	100.0	64	4846

PLANS CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

APPL'S	TYPE	LEA	URBAN	DROPOUT	UNEMPLY	OCCUPTN	FUNDING	NUMGRAD	COST/GRAD	REQCOST	APPRV	PRCNT	APPGRAD	APPCOST
385	NEW	AVTS	NOT	LOW	LOW	TECH.	REG	72	74.13	5337	FULL	100.0	72	5337
326	NEW	SD	URBN	HIGH	HIGH	TECH	REG	52	86.86	4520	NOT	0.0	0	0
336	NEW	SD	URBN	HIGH	HIGH	TECH	REG	53	86.52	4585	NOT	0.0	0	0
370	NEW	SD	URBN	HIGH	HIGH	TECH	REG	50	71.72	3585	FULL	100.0	50	3585
383	NEW	SD	URBN	HIGH	HIGH	TECH	REG	51	81.71	4984	NOT	0.0	0	0
394	NEW	SD	URBN	HIGH	HIGH	TECH	REG	52	71.67	3726	FULL	100.0	52	3726
305	NEW	SD	URBN	HIGH	LOW	TECH	REG	74	90.00	6660	NOT	0.0	0	0
323	NEW	SD	URBN	HIGH	LOW	TECH	REG	54	81.16	4382	NOT	0.0	0	0
341	NEW	SD	URBN	HIGH	LOW	TECH	REG	51	72.67	3703	FULL	100.0	51	3703
344	NEW	SD	URBN	HIGH	LOW	TECH	REG	68	71.72	4876	FULL	100.0	68	4876
346	NEW	SD	URBN	HIGH	LOW	TECH	REG	46	90.27	4152	NOT	0.0	0	0
319	NEW	SD	URBN	LOW	HIGH	TECH	REG	69	88.67	6118	NOT	0.0	0	0
334	NEW	SD	URBN	LOW	HIGH	TECH	REG	64	70.78	4529	FULL	100.0	64	4529
357	NEW	SD	URBN	LOW	HIGH	TECH	REG	67	71.35	4780	FULL	100.0	67	4780
333	NEW	SD	URBN	LOW	HIGH	TECH	REG	69	70.63	4873	FULL	100.0	69	4873
307	NEW	SD	URBN	LOW	LOW	TECH	REG	63	71.78	4459	FULL	100.0	63	4459
355	NEW	SD	URBN	LOW	LOW	TECH	REG	58	82.72	4797	NOT	0.0	0	0
392	NEW	SD	URBN	LOW	LOW	TECH	REG	70	76.27	5338	NOT	0.0	0	0
390	NEW	SD	URBN	LOW	LOW	TECH	REG	59	71.77	4234	FULL	100.0	59	4234
328	NEW	SD	NOT	HIGH	HIGH	TECH	REG	74	81.29	6015	NOT	0.0	0	0
366	NEW	SD	NOT	HIGH	LOW	TECH	REG	53	78.93	4183	NOT	0.0	0	0
371	NEW	SD	NOT	HIGH	LOW	TECH	REG	66	80.05	5283	NOT	0.0	0	0
331	NEW	SD	NOT	LOW	HIGH	TECH	REG	73	66.14	4828	FULL	100.0	73	4828
332	NEW	SD	NOT	LOW	HIGH	TECH	REG	59	79.45	4687	NOT	0.0	0	0
378	NEW	SD	NOT	LOW	HIGH	TECH	REG	60	83.20	4076	NOT	0.0	0	0
335	NEW	SD	NOT	LOW	LOW	TECH	REG	70	71.71	5019	FULL	100.0	70	5019
350	NEW	SD	NOT	LOW	LOW	TECH	REG	51	76.02	3877	PART	2.4	1	74
359	NEW	CVS	NOT	LOW	HIGH	DSTB	DIS	97	363.97	35295	FULL	100.0	97	35295
376	NEW	SD	URBN	LOW	HIGH	DSTB	DIS	95	413.37	39270	FULL	100.0	95	39270
351	NEW	SD	URBN	LOW	LOW	DSTB	DIS	97	409.35	39706	NOT	0.0	0	0
352	NEW	SD	URBN	HIGH	HIGH	HLTH	DIS	78	405.08	31596	FULL	100.0	78	31596
374	NEW	SD	NOT	HIGH	HIGH	HLTH	DIS	76	381.64	29004	FULL	100.0	76	29004
397	NEW	CVS	URBN	HIGH	HIGH	TECH	DIS	87	395.37	34397	FULL	100.0	87	34397
394	NEW	CVS	NOT	HIGH	LOW	TECH	DIS	99	372.56	36885	NOT	0.0	0	0
301	NEW	CVS	NOT	LOW	HIGH	TECH	DIS	106	356.96	37837	PART	97.6	103	37028
362	NEW	CVS	NOT	LOW	HIGH	TECH	DIS	103	383.83	39534	NOT	0.0	0	0
388	NEW	SD	URBN	HIGH	HIGH	TECH	DIS	103	412.12	42448	NOT	0.0	0	0
322	NEW	SD	NOT	HIGH	HIGH	TECH	DIS	103	334.60	41536	FULL	100.0	123	41536
347	NEW	SD	NOT	HIGH	HIGH	TECH	DIS	101	351.86	35537	FULL	100.0	101	35537
380	NEW	SD	NOT	LOW	HIGH	TECH	DIS	95	358.11	34020	NOT	0.0	0	0
368	NEW	AVTS	NOT	LOW	LOW	DSTB	HAND	72	420.39	30269	FULL	100.0	72	30269
365	NEW	SD	URBN	HIGH	LOW	DSTB	HAND	60	452.61	27156	FULL	100.0	60	27156
369	NEW	SD	URBN	LOW	HIGH	DSTB	HAND	65	454.70	30670	FULL	100.0	66	30670
327	NEW	CVS	NOT	HIGH	LOW	HLTH	HAND	61	447.99	27327	FULL	100.0	61	27327
311	NEW	SD	URBN	HIGH	HIGH	HLTH	HAND	53	480.43	25462	FULL	100.0	53	25462
400	NEW	CVS	NOT	LOW	HIGH	TECH	HAND	94	420.15	39494	FULL	100.0	94	39494
303	NEW	AVTS	URBN	HIGH	LOW	TECH	HAND	93	466.65	43379	FULL	100.0	93	43379
312	NEW	AVTS	URBN	HIGH	LOW	TECH	HAND	83	469.01	38864	FULL	100.0	83	38864
349	NEW	AVTS	NOT	LOW	LOW	TECH	HAND	99	434.23	30048	PART	50.7	45	19543
367	NEW	SD	URBN	HIGH	HIGH	TECH	HAND	93	486.19	45215	FULL	100.0	93	45215

PLAN CLOSEST TO MANPOWER POLICY AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

PROGRAM AND EXPENDITURE REPORT

BUDGET	PROGRAMS CONT	NEW	TOTAL	EXPENDITURES ALLOCATED	AVAILABLE	AVLBLE-ALLOC
REG	159	56	215	749892	750000	108
DIS	37	8	45	1499969	1500000	31
HAND	20	10	30	999985	1000000	15
TOTAL				3249846		

MANPOWER SUPPLY INDICATOR REPORT

MANPOWER	GRADUATES PRODUCED	NEEDED	PERCENT	DESIRED PERCENT	GAP
OSTA	6314	10000	63.1	100.0	36.9
HLTH	1818	8000	22.7	100.0	77.3
TECH	8651	12000	72.1	100.0	27.9

URBAN - AREA INDICATOR REPORT

AREA	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	MAXIMUM
URBN	1419769	43.7	40.0	60.0
NOT	1830077	56.3		
TOTAL	3249846			

DROP-OUT - AREA INDICATOR REPORT

DROP-OUT	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	MAXIMUM
HIGH	1949913	60.0	60.0	75.0
LOW	1299933	40.0		
TOTAL	3249846			

UNEMPLOYMENT - AREA INDICATOR REPORT

UNEMPLY	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	MAXIMUM
HIGH	2112413	65.0	65.0	75.0
LOW	1137433	35.0		
TOTAL	3249846			

LEA TYPE INDICATOR REPORT

LEA TYPE	EXPENDITURES	PERCENT	DESIRED PERCENT MINIMUM	MAXIMUM
CVS	601716	18.5	15.0	30.0
AVTS	974953	30.0	30.0	40.0
SD	1673171	51.5		
TOTAL	3249846			

Analysis of the "Best-Feasible" Plan

Budget Policy

- No surpluses. Each budget type has expenditures allocated at the limit of the expenditures available.

Area and LEA Expenditure Indicators

- Urban Indicator does not constrain the plan. The desired minimum could be shifted upward from 40 to 43.7 before the Urban Indicator would affect the content of the plan.

- High Drop-out Indicator does constrain the plan. The indicator is at its desired minimum.

- High Unemployment Indicator does constrain the plan. The indicator is at its desired minimum.

- County Vocational Schools Indicator does not constrain the plan. The desired minimum could be shifted upward from 15 to 18.5 before the County Vocational Schools Indicator would affect the content of the plan.

- Area Vocational-Technical Schools Indicator does constrain the plan. The indicator is at its desired minimum.

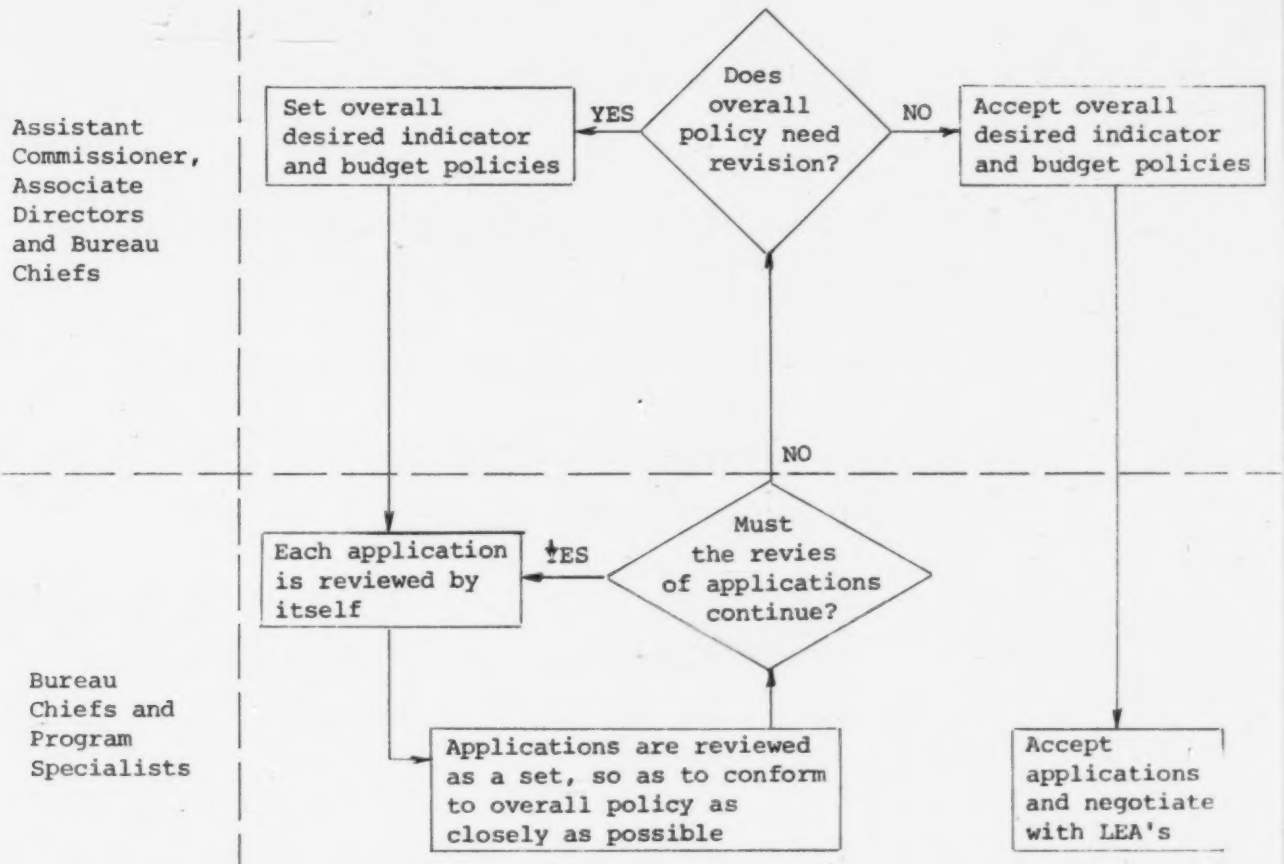
Manpower Supply Indicators

- Undersupply for Distributive, Health, and Technical.

- Sum of the indicator levels = 63.1 + 22.7 + 72.1 = 158.0. 158.0 is the largest value possible given the budget, area, and LEA policies.

- Sum of the indicator gaps = 36.9 + 77.3 + 27.9 = 142.1 142.1 is the smallest value possible given the budget, area, and LEA policies.

"TOP-DOWN" CYCLICAL PLANNING


Assistant Commissioner, Associate Directors and Bureau Chiefs
Does overall policy need revision?
YES
NO
Set overall desired indicator and budget policies
Accept overall desired indicator and budget policies
NO
Bureau Chiefs and Program Specialists
Must the revies of applications continue?
YES
Each application is reviewed by itself
Applications are reviewed as a set, so as to conform to overall policy as closely as possible
Accept applications and negotiate with LEA's

The first half of a cycle has been illustrated.
In practice, several cycles would result.
Computerized systems facilitate the cycling.

Advantages of This Approach

1. Provides a basis for decision-making about funding allocations.

2. Formalizes the procedures for selecting the plans.

3. Makes explicit and inter-relates the planning roles of different organizational levels in the Division.

4. Improves the reporting and justification of the plans to the State Advisory Council, the State Board of Education, and the Federal Government.

5. VISUALS USED IN PROJECT SUMMARY PRESENTATION, SPRING 1971

Planning Orientation Presentation

Purpose

1. Information System

2. Funding Allocations

OBJECTIVE

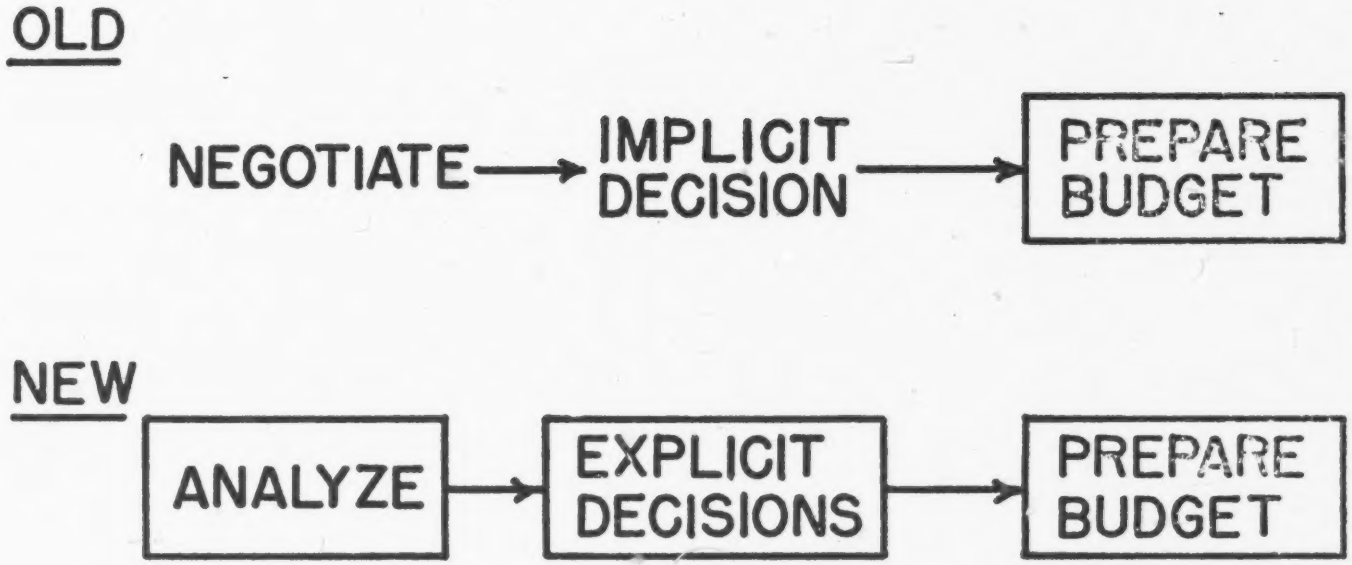
TO DEVELOP A VOCATIONAL EDUCATION STRATEGIC MULTI-YEAR PLANNING CAPABILITY AT BOTH THE STATE AND LOCAL LEVELS

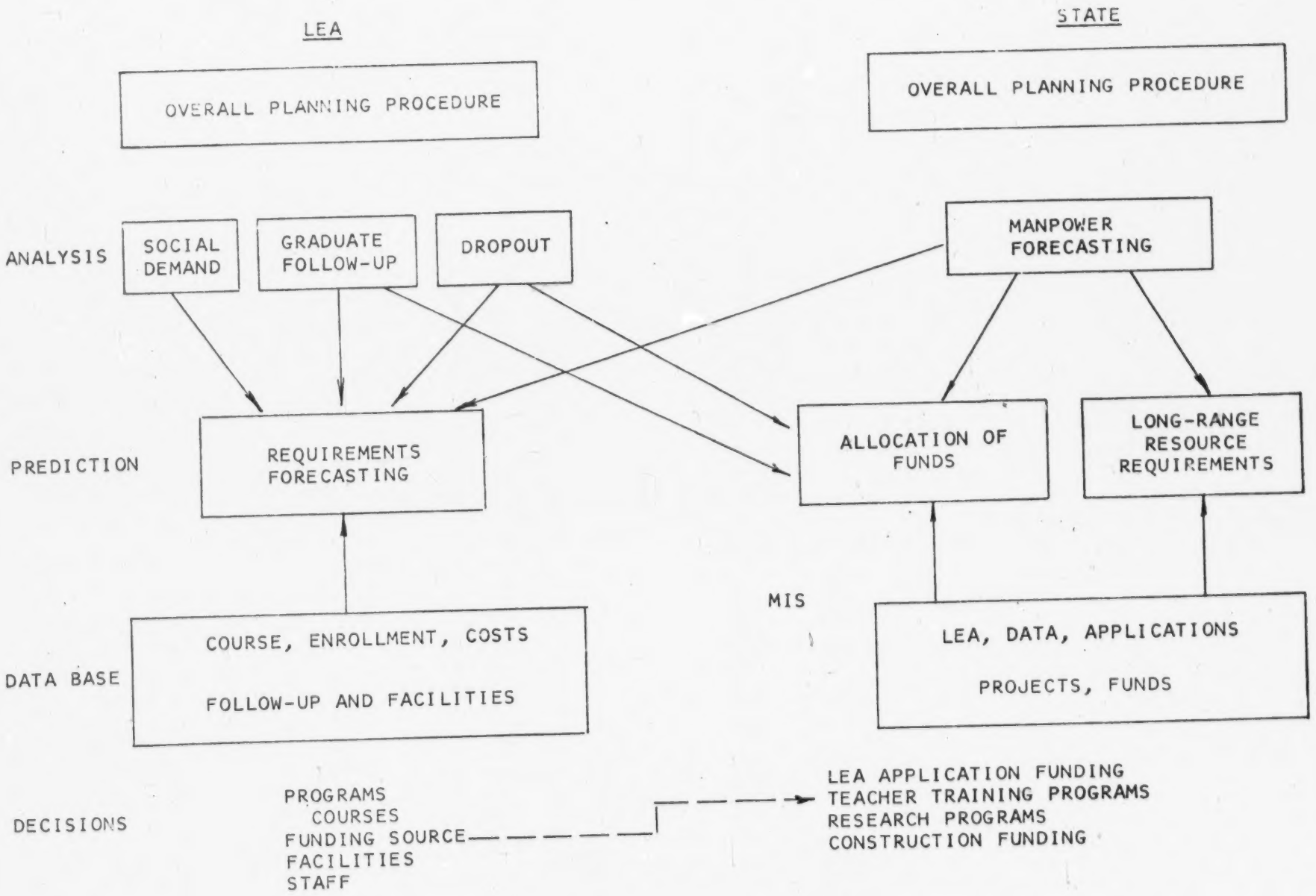
BACKGROUND:

- PROJECT DURATION
  JULY 1970 – JULY 1973
- LEA PILOTS
- STATE SYSTEM

BENEFITS:

- INCREASES SOUNDNESS OF DECISIONS
- INCREASE SUPPORT OF PUBLIC AND PRIVATE AGENCIES
- INCREASE STUDENT CONFIDENCE
- MORE TIME FOR PROGRAM ANALYSIS AND DEVELOPMENT


OLD
NEGOTIATE
IMPLICIT DECISION
PREPARE BUDGET
NEW
ANALYZE
EXPLICIT DECISIONS
PREPARE BUDGET



NEW JERSEY VOCATIONAL EDUCATION
PLANNING SYSTEM

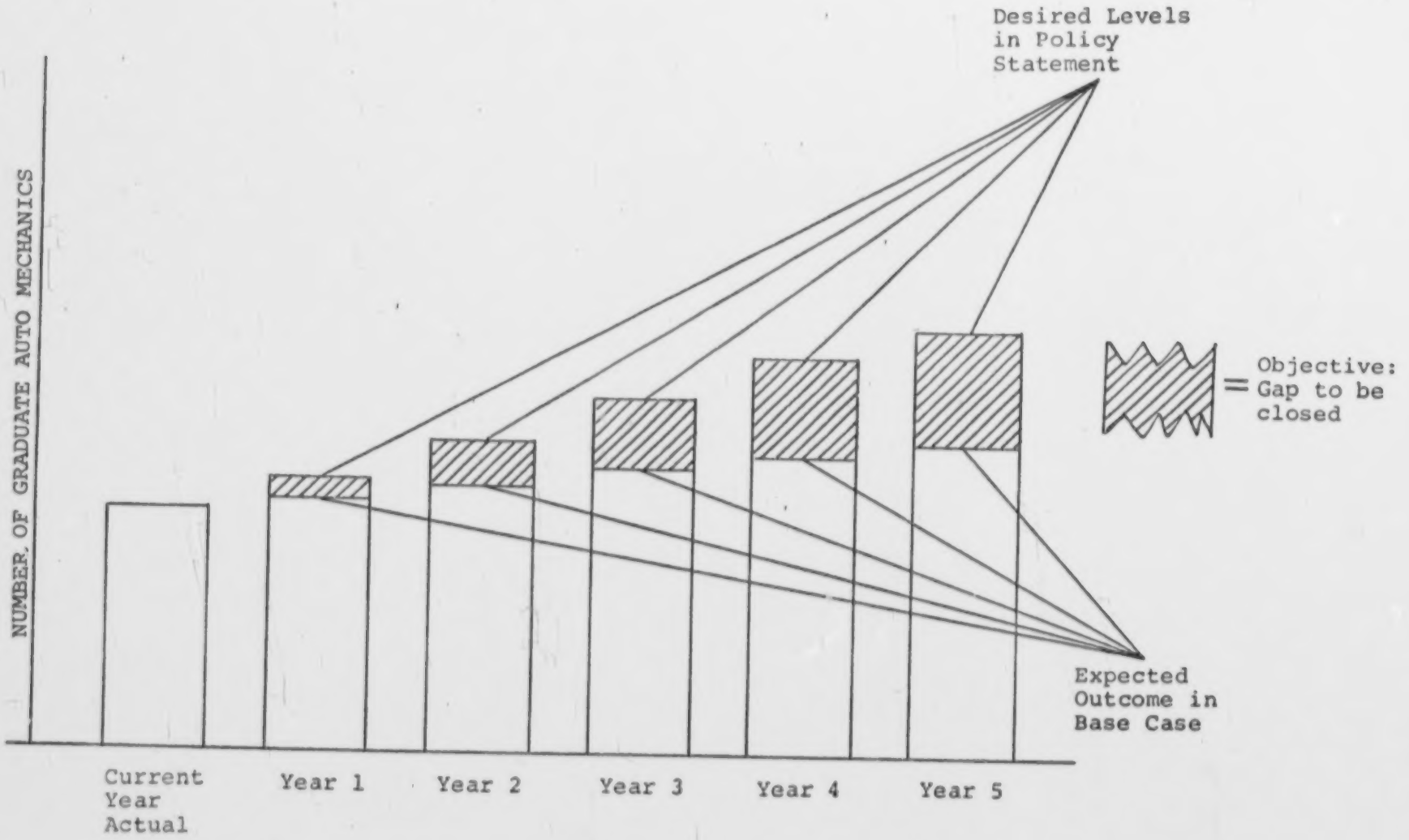
LEA

- Student Forecasting
  - Manpower Requirements
  - Social Demand
  - Demographic Data

- Resource Requirements
  - Teachers
  - Facilities
  - Equipment
  - Misc. Expenditures

STATE

- Manpower Forecast
- Student Enrollment
- Resource Requirements
  - Programs
  - Facilities
  - Teachers
  - Funding
- Funding Allocations
- Information System



Example of Indicator Forecast

INFORMATION NEEDS

- Valid

- Timely

- Easily Available

INFORMATION SYSTEM

- Manual

- Computer

MANUAL DATA COLLECTION SYSTEM

- Data Requirements
  - 44 Forms
  - 1739 Data Items
  - 45% Curriculum
  - 22% Pupil
  - 15% Staff
  - 12% Finance
  - 6% Facility

- Analysis

- Methods, Procedures, Forms Design

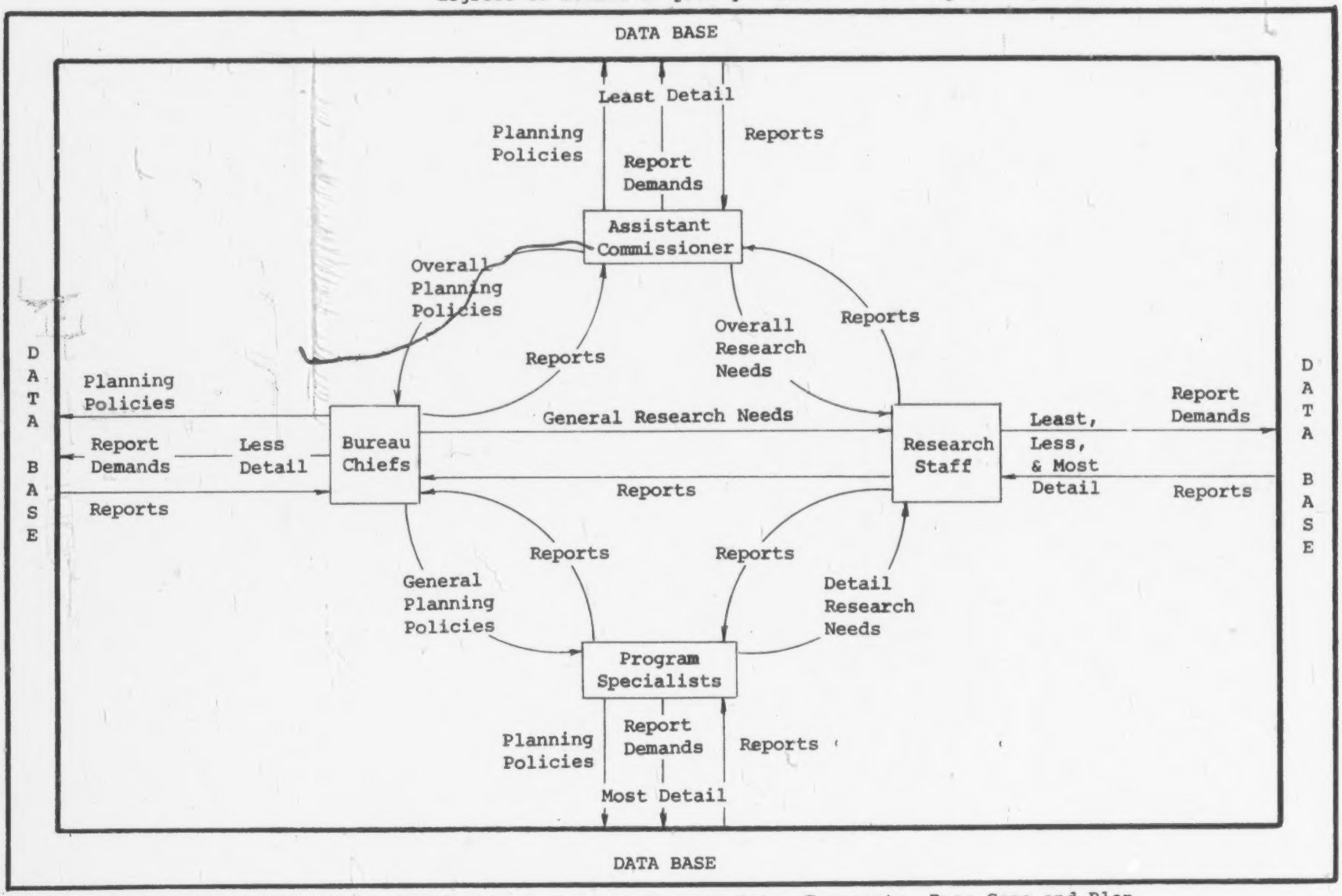
- Interface with Retrieval System

COMPUTER-BASED INFORMATION RETRIEVAL SYSTEM

- Rapid Access Management Information System (RAMIS)

State System
Computer Software Considerations

One need for RAMIS*: Many participants in the State Planning System with varying degrees of detail in policy statements and report requirements



DATA BASE includes Applications, Current Program Data, Forecasts, Base Case and Plan Information on Expenditures, Students, Graduates, Indicators, etc. in Detail.

RAMIS' ADVANTAGES

- Central Location

- Ease of Access

- Customized Reports

TABLE 1

FY72 Application Data

Where possible, the following data is recorded for each application. The RAMIS name assigned to each data item is also given to aid interpretation of the sample reports.

Data Item	Description	RAMIS Name(s)
1	County Code } The 10 digit Application Code	COUNTY
2	LEA Code } The 10 digit Application Code	LEA
3	Application Code } The 10 digit Application Code	APP
4	Name of the LEA	LEANAME
5	Purpose	PURPOSE
6-9	Program (At most 4 program designations for each application.)	PROGL1, PROGL2, PROGR1, PROGR2
10	OE Code	OECODE
11	Whether the application is for a continuing, modified, or new program.	CONT-MOD-NEW
12	Whether or not the program has received course approval.	COURSEAPPRV
13-18	Expected students by grade group by regular, disadvantaged, and handicapped.	REGSTD1, DISSTD1, HNDST01, REGSTD2, DISSTD2, HNDSTD2
19	Total Estimated Expenditures	DOLLARCOST
20	Total Expenditure LEA asks to be underwritten	DOLLARASK
21	Score based upon need and quality of the program as assigned by the Division's Program specialists and reviewed by committee.	Not included in this example but will be later.
22	Funding Amount recommended by the Division's Program Specialists.	Not included in this example but will be later.

PURPOSE	COLLARCOST	DOLLARASK	COUNT
ADUL	90318	45159	15
CONH	31368	18702	1
COOP	93641	66865	6
DIS	75472	67084	5
EXEM	248300	188300	2
HAND	48873	11400	2
PSEC	5779	2889	1
SEC	265157	241451	12
WSTU	70640	37040	1

This RAMIS program produced the above report.

```
TABLE
FILE/FY72APPL/
SUM/AND/COUNT/DOLLARCOST/AND/DOLLARASK/BY/PURPOSE/
END
```

COUNTY	CONT-MOD-NEW 1	2	3
03	8	0	2
13	11	0	0
15	4	0	2
19	2	1	0
21	5	0	6
23	3	0	0
41	1	0	0

This RAMIS program produced the above report.

```
TABLE
FILE/FY72APPL/
COUNT/ENTRIES/BY/COUNTY/ACROSS/CONT-MOD-NEW/
END
```

LIST	COUNTY	LEA	APP	LEANAME
1	21	0000	1248	MERCER COUNTY AREA VOC TECH SCHOOLS
2	21	0000	1247	MERCER COUNTY AREA VOC TECH SCHOOLS
3	21	0000	1246	MERCER COUNTY AREA VOC TECH SCHOOLS
4	21	0000	1242	MERCER COUNTY AREA VOC TECH SCHOOLS TRENTON
5	21	0000	1249	MERCER COUNTY AREA VOC TECH SCHOOLS TRENTON
6	21	1430	1160	MARIE H KATZENBACH SCHOOL FOR THE DEAF
7	21	5210	1206	TRENTON BOARD OF EDUCATION
8	21	1240	0019	EAST WINDSOR REGIONAL SCHOOL DISTRICT
9	03	1860	1160	HACKENSACK BOARD OF EDUCATION
10	03	1860	1187	HACKENSACK BOARD OF EDUCATION
11	03	1700	1113	GARFIELD
12	03	1700	1112	GARFIELD BOARD OF EDUCATION
13	15	4940	1123	SO GLOUCESTER CNTY REG DELSEA
14	19	4890	0154	SOUTH HUNTERDON REGIONAL BOARD OF ED
15	19	2300	0146	HUNTERDON CENTRAL AREA VOC SCHOOL

This RAMIS program produced the above report.

```
TABLE
FILE/FY72APPL/
LIST/COUNTY/AND/LEA/AND/APP/AND/LEANAME/
IF/COURSEAPPRV/IS-NOT/1/
END
```

```
IF/CONT-MOD-NEW/IS/3/
```

Program:

```
*****************************************
*        RAMIS SYSTEM ACTIVITY          *
*                TABLE                  *
*****************************************
```

```
HEADING
PLAN CLOSEST TO MANPOWER POLICY
AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES
FILE/PLANEXPL/
SUM/AND/COUNT/APPCOST/BY/FUNDING/
IF/APPRV/IS/FULL/OR/PART/
END
```

```
NUMBER OF RECORDS IN TABLE=  290  LINES=    3
```

Report:

PAGE 1

PLAN CLOSEST TO MANPOWER POLICY
AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

FUNDING	APPCOST	COUNT
DIS	1499969	45
HAND	999985	30
REG	749892	215

Program:

```
*****************************************
*        RAMIS SYSTEM ACTIVITY          *
*                 TABLE                 *
*****************************************
```

```
HEADING
PLAN CLOSEST TO MANPOWER POLICY
AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES
FILE/PLANEXPL/
SUM/AND/COUNT/APPGRAD/BY/OCCUPTN/
IF/APPRV/IS/FULL/OR/PART/
END
```

```
NUMBER OF RECORDS IN TABLE=  290  LINES=      3
```

Report:

PLAN CLOSEST TO MANPOWER POLICY
AND FEASIBLE FOR BUDGET, AREA, AND LEA POLICIES

OCCUPTN	APPGRAD	COUNT
DSTB	6314	122
HLTH	1818	39
TECH	8651	129

FUNDING ALLOCATION MODEL

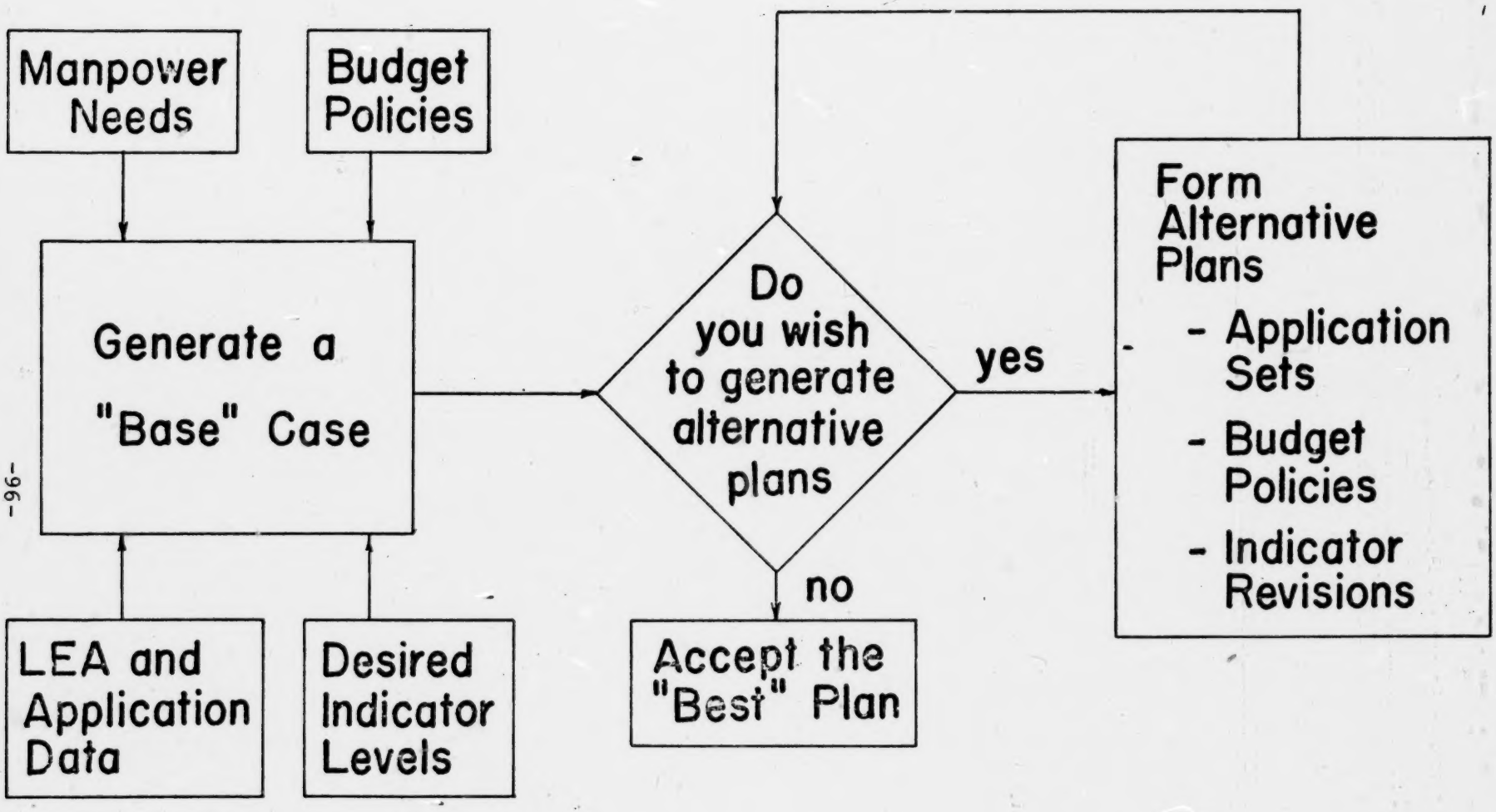
- Which Applications Should Receive Funding?

- How Much Funding Should Each Receive?

The model is:

- A Tool to Assist the Analyst

- A Guide for Management



SIMPLIFIED PLANNING CYCLE

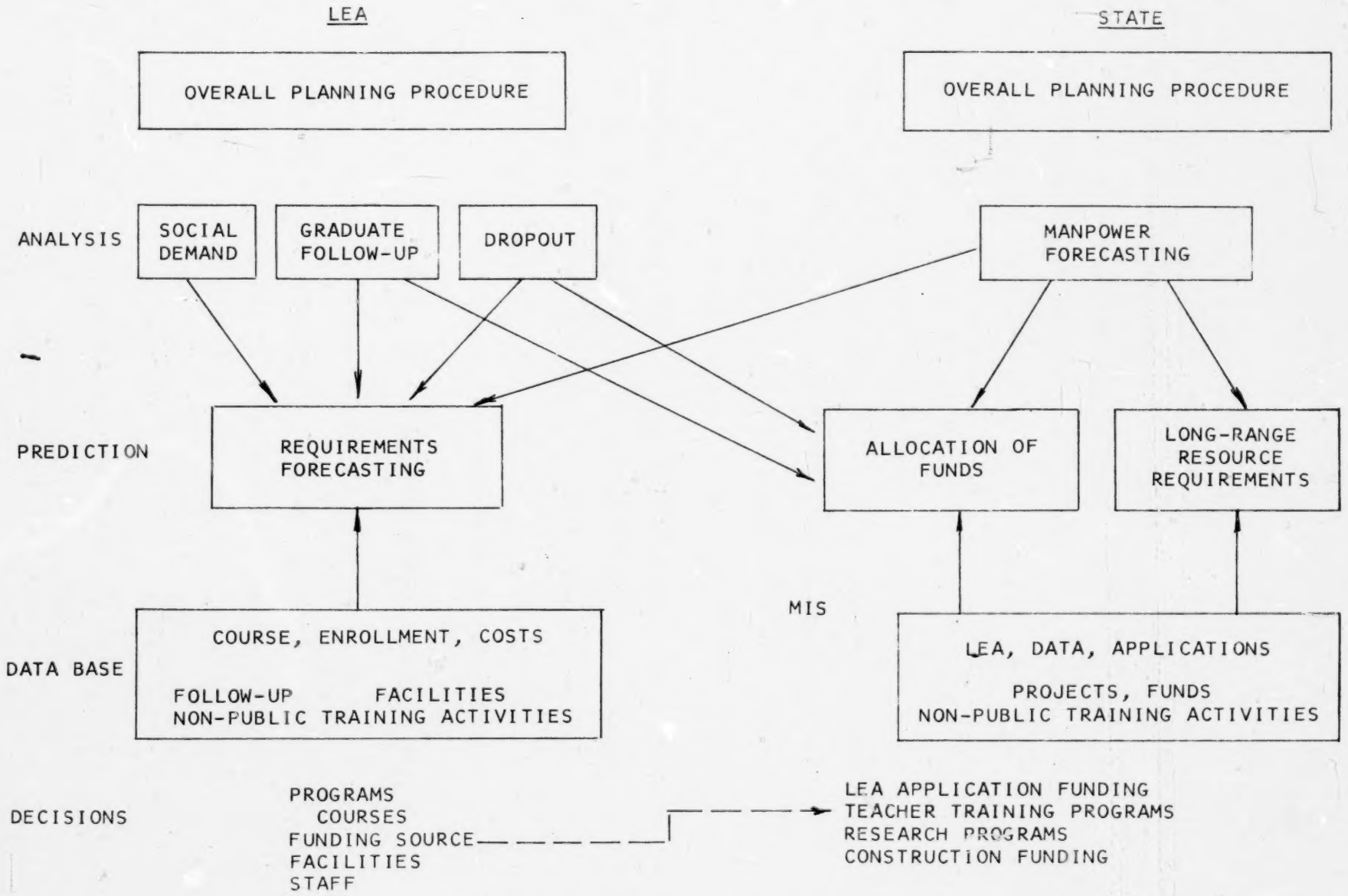
6. NEW JERSEY VOCATIONAL EDUCATION PLANNING SYSTEM: PROJECT SUMMARY

A comprehensive vocational education planning system for the State of New Jersey is currently being developed by Government Studies and Systems.

The planning system has been designed based upon analysis of the operations and requirements of the State Department of Vocational Education and four pilot LEAs. The four LEAs were chosen as examples of the range of New Jersey LEAs that offer vocational education programs. The four LEAs forming the pilot group are Linden, Edison, Somerset, and Lower Camden districts.

The system will consist of two segments: the Local Educational Agency (LEA) planning system, and the State planning system. Both segments are basically structured on a formal planning system concept (see Appendix A).

Chart 1 is a schematic analysis of the system, which consists of these major modules.



NEW JERSEY VOCATIONAL EDUCATION

PLANNING SYSTEM

LEA System

The heart of this system is the requirements forecaster which forecast: manpower (teacher and other staff requirements), space requirements, equipment requirements (aggregate) and expenditures and compares these with available staff, facilities, equipment and revenues.

This forecast requires estimates of social demand (potential enrollment), follow-up and dropout data, cost factors, and job opening data. These are estimated by other modules. Job openings are estimated from manpower data provided by the State. Surveys are made to estimate non-public training activities.

These modules, imbedded in the overall planning system, support the LEA in making decisions about: programs, courses and planned enrollment levels, selection of funding sources, construction of facilities, and hiring of staff. These modules are supported by a data base.

Division of Vocational Education System

This system will contain two forecasting modules; one which aids the allocation of funds to applications from LEAs and one for forecasting the long range requirements: teacher training activities, construction of facilities and overall revenue level.

These modules require data on job opening levels, forecast by a separate module (operated by the Department of Labor

and Industry) follow-up, drop-out and social demand estimates derived by summing data from LEAs or by special surveys.

A very flexible data base is provided for the Division to supply data from the forecasting modules and for other analyses required by the Division.

These modules, imbedded in the overall planning process, support these decisions: allocation of funds to applications, to teacher training programs and institutions, to research programs, to construction. It also supports decisions to encourage LEA program revisions.

The systems will allow educational administrators to gauge the effects of decisions on resource requirements in relation to changes in student population, operational relationships and programs. The system will generate multi-year plans and supporting corresponding reports for the local, state and federal levels. The data will also be designed to assist the administrators in controlling operations. The overall project is anticipated to be operational by July, 1973.

Appendix A

BASIS FOR PROJECT

The basis for the New Jersey Vocational Education Comprehensive Planning System is derived from the language of the State Plan for Vocational Education (P.L. 90-576), plans for the State Division of Vocational Education, and provisions of the formal contracts with Government Studies and Systems, Inc. These plans and contracts for the development of a Vocational Education Planning System were, in turn, based on State and Federal Legislation embodied in the Vocational Education Act of 1963. In addition, the master plan for Vocational Education prepared by the State Advisory Committee on Vocational Education contains a requirement for planning.

A key statement on the need for a comprehensive Vocational Education planning system for New Jersey is embodied in a statement from the document "State Plan for Vocational Education" (P.L. 90-576), published by the State Department of Education (March 23, 1970):

> An analysis of data indicates that New Jersey's current and projected demand for trained manpower far exceeds the output from public and other agencies. The magnitude of financial resources, and others, dictate the necessity for statewide planning. For these reasons, the Commissioner, on September 22, 1967, directed that a vocational education "master plan for action" be developed through 1980. Over 300 educators and citizens were organized to serve on nine master plan sub-committees. This statewide involvement has resulted in the first draft of a "Plan for Action" prepared by the staff of the Division of Vocational Education. This 200 page document is a valuable long-range instrument and contains the following major sections: Present Status of Vocational Education in New Jersey; Unmet Needs and Changing Trends; Guidelines and Priorities; and Recommendations in organization, programs, facilities, finances, and other areas. Provision is made for continuing master planning.

The foregoing briefly describes the commitment to long-range planning by the Commissioner and the staff of the Division of Vocational Education.

Part II of the State Plan use the long-range "Plan for Action" as a guide, and addresses itself to specific requirement. These are in the Guide for the Development of a State Plan for the Administration of Vocational Education under the Vocational Education Amendments of 1968, Part II. One of the recommendations was as follows:

> It is proposed that improvement of the data collection and information services of the Division of Vocational Education be achieved (1) conversion to automatic data processing, and (2) the establishment and development of a planning, programming and budgeting system (PPBS).
>
> Since the advent of the Vocational Education Act of 1963, the increase in the volume of financial and statistical data that must be processed by the Division of Vocational Education has been rendered inadequate and inefficient. More vocational education programs, more vocational education enrollees, statewide efforts to improve the quality of vocational education instruction, numerous proposals and programs to be evaluated - all of these programs result in volumes of data and reports to be processed.
>
> The "Plan for Action" states further that:
>
> Automatic data processing will provide the speed, reliability, flexibility and versatility now required by the rapidly expanding programs of vocational education in New Jersey. It will facilitate the collection of data from local school districts and expedite the processing of that data into reports for the Federal, State and Local agencies that need and require them. It will provide better coordination with the U.S. Office of Education.
>
> A planning, programming and budgeting system, as a management tool, is regarded as an essential in the decision making process. It will provide alternatives as a basis for administrative judgement; it will assist in the setting of priorities for the assignment of limited financial resources; and it will help to determine the relationship between input (vocational education resources) and output (the occupationally trained individual).

The system being implemented will provide these facilities.

7. PRESENTATION TO A COUNTY COORDINATING COUNCIL ON IMPLEMENTING A PLANNING SYSTEM

PREPARED 16 NOVEMBER 1971

INFORMATION SYSTEM

PROCEDURES FOR COLLECTING, STORING
AND RETREIVING DATA NEEDED FOR PLANNING.

EXHIBIT 5-1

PUFP-POS	PROG	TYPE	RECOMM	LCC-CCNTB	COUNT
ADUL		COVS	1800	0	3
	L1	COVS	7475	28489	4
	L2	COMP	22310	10965	3
		COVS	829	2003	2
	L3	COVS	28384	289770	13
	L4	CCVS	480	23375	1
	L5	COVS	4526	47844	5
	L6	AVTS	3750	20067	1
		CCMP	10050	2725	4
		COVS	8145	123786	8
	L7	CCMP	350	850	1
		COVS	32148	978894	28
		2YCC	5160	70000	2
	L8	AVTS	4712	2862	2
		CCMP	3972	10840	10
		COVS	82832	289856	82
	L9	CCMP	0	0	1
	R1	COVS	3857	92634	3
	R3	COMP	0	0	1
	R5	COVS	600	0	1
	R6	AVTS	0	0	1
		COMP	1386	0	1
		COVS	94815	403810	67
	R8	COVS	9348	32600	2
CONH	L2	CCMP	3610	7464	1
	L4	AVTS	209495	76048	39
		COMP	125382	131051	38
		COVS	8217	88152	4
		STVS	718	11645	1
		4YCU	28745	0	4
	L5	AVTS	36638	33830	6
		COMP	135809	63083	32
		CCVS	3150	30483	4
		4YCO	5490	0	1
	R1	AVTS	40500	0	1
		CCMP	5000	23824	2
	R2	4YCO	5490	0	1
	R3	CCMP	8945	18578	2
	R8	4YCO	8209	0	1
COCP	L2	AVTS	28607	65727	9
		CCMP	185176	132580	41
		COVS	11850	24650	2
	L3	COMP	6500	18200	2
	L4	COMP	5535	5535	1
	L5	AVTS	6033	0	1
		CCMM	43065	11663	3
		4YCU	2834	0	1
		AVTS	27080	40482	10
		CCMP	217090	280514	67

PROJECT RESPONSIBILITIES

COUNCIL

DATA COLLECTION
TRAINING OF LEA PERSONNEL
COORDINATION AMONG LEA'S
COORDINATION OF THE PLANNING PROCESS
AFTER THE FIRST YEAR.

CONTRACTOR

TRAINING OF COUNCIL PERSONNEL; DESIGN
INSTALLATION OF COMPUTER PROCEDURES
PREPARE EXAMPLE OUTPUTS
CONSULT ON ALL ASPECTS

PROJECT PURPOSES -

TRAIN COORDINATING COUNCIL PERSONNEL IN PLANNING PROCEDURES

MODIFY AND EXPAND PRESENTLY AVAILABLE PROCEDURES FOR COUNTY USE:

- COUNTY-WIDE FACILITIES REQUIREMENTS FORECASTING MODEL
- INVENTORY OF NON-PUBLIC PROGRAMS
- SOCIAL DEMAND AND ENROLLMENT ESTIMATING PROCESS
- ALLOCATION OF JOB OPENING DEMAND TO LEA'S (INCLUDING LABOR MARKET AREA CONSIDERATIONS)

TRAIN COORDINATING COUNCIL STAFF TO TRAIN LEA'S IN USE OF PLANNING SYSTEM.

INSTALL AND DEMONSTRATE COUNTY PLANNING SYSTEM.

WORK PLAN

1. HOLD SEMINARS
2. DEVELOP PROCEDURES
   - AGGREGATE MODEL
   - INVENTORY OF PROGRAMS
   - ALLOCATION OF JOB DEMAND
3. PREPARE MANUAL
4. HOLD CONFERENCE OF ALL LEA SUPERINTENDANTS AND PLANNING COORDINATORS
5. CONSULT ON DATA COLLECTION AND VALIDATION
6. PREPARE EXAMPLE PLANS

WORK PLAN CONTINUED

7. CONSULT ON THE ANALYSIS OF NEEDS AND CURRENT STATUS

8. CONSULT ON PREPARATION OF FIRST ACTUAL PLAN

9. CONSULT ON ESTABLISHING POLICY FOR FIRST PLAN

10. ARRANGE FOR COMPUTER SERVICES

11. PREPARE REPORTS ON PROGRESS AND FINAL RECOMMENDATIONS.

PLAN -

A DESCRIPTION OF PRESENT AND AUTHORIZED FUTURE ACTIVITIES AND FACILITIES

PLANNING SYSTEM -

A SET OF PROCEDURES FOR DECIDING ON WHICH ACTIVITIES TO RECOMMEND FOR IMPLEMENTATION

FORMAL PLANNING SYSTEM -

A PLANNING SYSTEM THAT

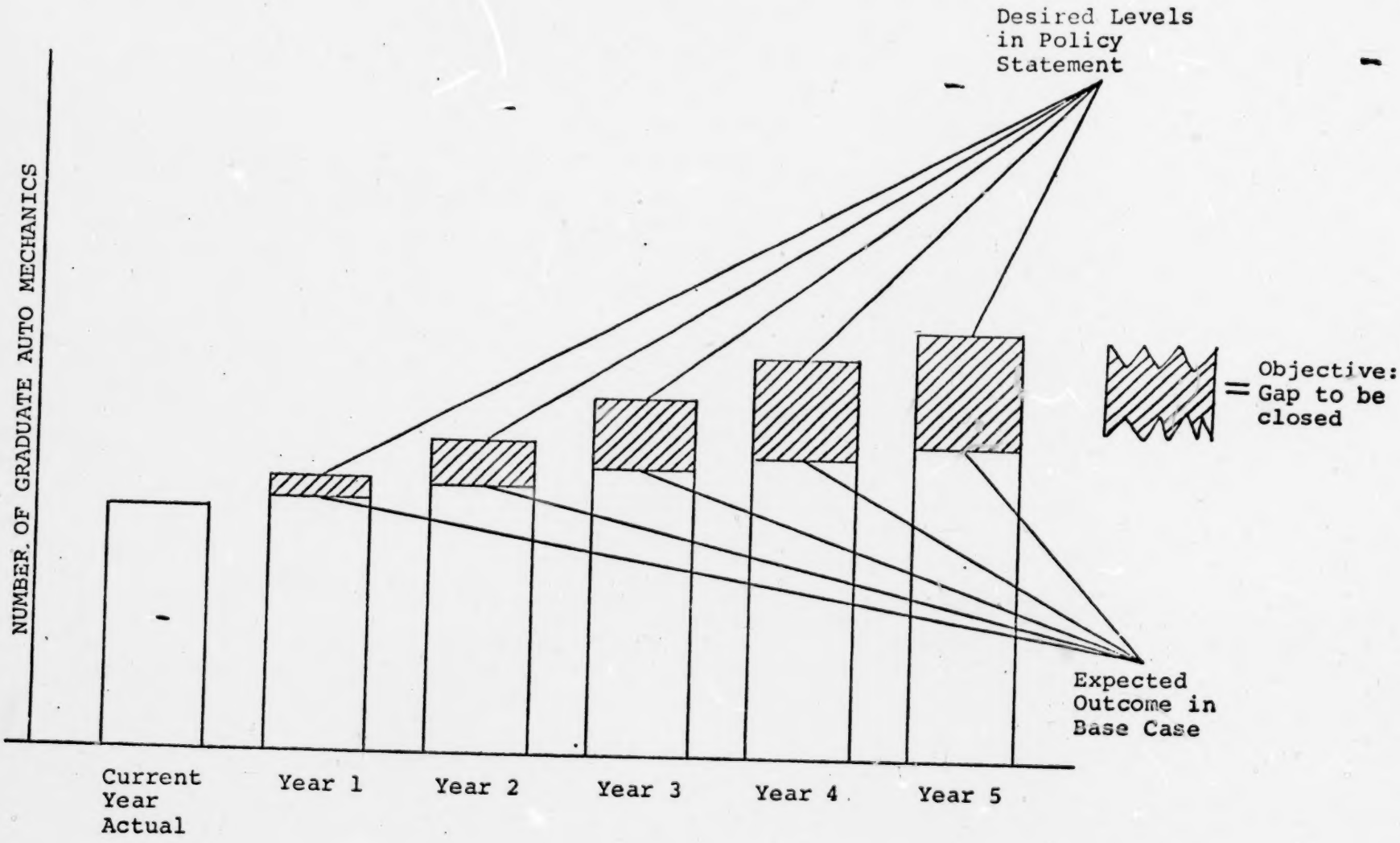
(1) IS CAREFULLY SCHEDULED ON A CYCLICAL BASIS AND

(2) USES EXPLICIT COMPUTATIONAL PROCEDURES FOR ASSISTING IN PREDICTIONS

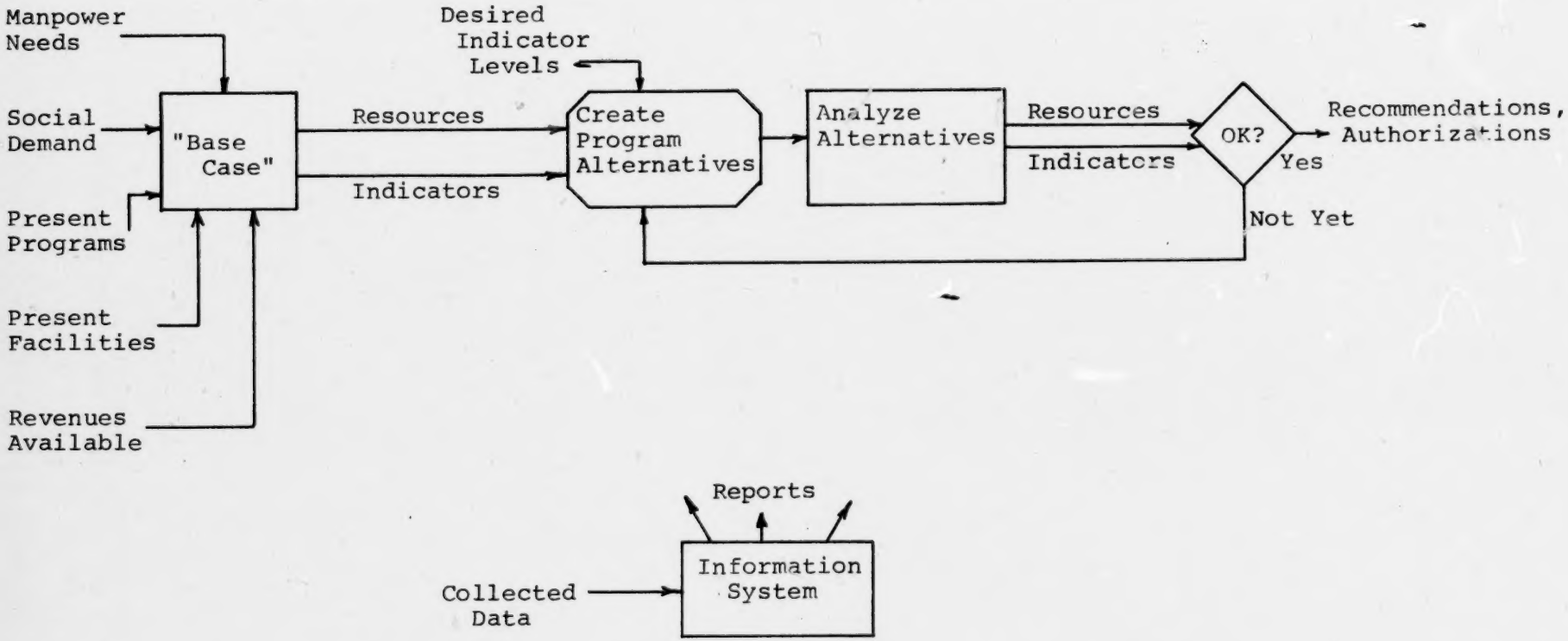
GOAL-ORIENTED PLANNING -

PLANNING DESIGNED TO PRODUCE OUTCOMES DESIRED BY THE COMMUNITY:

- MANPOWER (JOBS)
- SOCIAL DEMAND
- SATISFACTORY LEARNING ENVIRONMENT



Example of Indicator Forecast


Manpower Needs
Social Demand
Present Programs
Present Facilities
Revenues Available
"Base Case"
Resources
Indicators
Desired Indicator Levels
Create Program Alternatives
Analyze Alternatives
Resources
Indicators
OK?
Yes
Not Yet
Recommendations, Authorizations

Reports
Collected Data
Information System

REPORT D

REGIONAL HIGH SCHOOL DISTRICT

SOCIAL DEMAND ANALYSIS

	1971	1972	1973	1974	1975	1976
AUTOMOTIVE MECHANICS						
Social Demand	(20)	(21)	(23)	(25)	(27)	(29)
Entering Students	31	40	45	45	45	45
Percent Demand Served	155.0	190.5	195.7	180.0	166.6	155.2
BUILDING TRADES						
Social Demand	(28)	(30)	(33)	(36)	(38)	(42)
Entering Students	20	25	25	25	25	25
Percent Demand Served	71.4	83.3	75.8	69.4	64.1	59.5
CLOTHING TECHNOLOGY						
Social Demand	(11)	(12)	(13)	(14)	(15)	(16)
Entering Students	13	15	20	25	25	25
Percent Demand Served	118.2	125.0	153.8	178.6	166.6	156.3
COMMERCIAL FOODS						
Social Demand	(23)	(24)	(26)	(28)	(30)	(32)
Entering Students	18	20	25	25	25	25
Percent Demand Served	78.3	83.3	96.2	89.3	83.3	78.1

REPORT C

REGIONAL HIGH SCHOOL DISTRICT

MANPOWER NEEDS FULFILLED

	1971	1972	1973	1974	1975	1976
AUTOMOTIVE MECHANICS						
County Manpower Forcast	(68)	(68)	(68)	(68)	(68)	(68)
LEA Allocation (percent)	(.20)	(.20)	(.20)	(.20)	(.20)	(.20)
LEA Requirements	14	14	14	14	14	14
Students in Final Year	21	31	40	45	45	45
Percent Who Complete	(.95)	(.95)	(.95)	(.95)	(.95)	(.95)
Students Completing Program	20	30	38	43	43	43
Percent Placement	(.90)	(.90)	(.90)	(.90)	(.90)	(.90)
Students Placed	18	27	42	39	39	39
Manpower Needs Met (percent)	128.5	192.8	300.0	278.5	278.5	278.5
BUILDING TRADES						
County Manpower Forcase	(257)	(257)	(257)	(257)	(257)	(257)
LEA Allocation (percent)	(.20)	(.20)	(.20)	(.20)	(.20)	(.20)
LEA Requirements	51	51	51	51	51	51
Students in Final Year	24	25	25	25	25	25
Percent Who Complete	(.95)	(.95)	(.95)	(.95)	(.95)	(.95)
Students Completing Program	23	24	24	24	24	24
Percent Placement	(.95)	(.95)	(.95)	(.95)	(.95)	(.95)
Students Placed	22	23	23	23	23	23
Manpower Needs Met (percent)	231.8	221.7	221.7	221.7	221.7	221.7

REPORT L

REGIONAL HIGH SCHOOL DISTRICT

PROGRAM COST REPORT

	1971	1972	1973	1974	1975	1976
AUTOMOTIVE MECHANICS						
Salaries	15746	18896	18367	22040	25125	
Fringe Benefits	472.39	566.87	551.00	661.20	753.76	
Substitution	314.93	377.91	367.33	440.80	502.51	
Materials & Supplies	2553.	3537.	4871.	5931.	6822.	
Travel	0	0	0	0	0	
Maintenance	1578	1714	1822	1828	1750	
Overhead	36534	47556	57764	63638	66649	
Total Operating Cost	103,964.93	72,647.78	83,742.33	94,539.00	101,602.27	
New Equipment	-	-	-	-	-	
Replacement Equipment	-	-	-	-	-	
Total Capital Cost	-	-	-	-	-	
Total Program Cost	103,964.93	72,647.78	83,742.33	94,539.00	101,602.27	
BUILDING TRADES						
Salaries	9720	10498	11337	12244	13224	
Fringe Benefits	291.60	314.93	340.12	367.33	396.72	
Substitution	194.40	209.95	226.75	244.89	264.48	
Materials & Supplies	4599	6011	6912	7950	9150	
Travel	0	0	0	0	0	
Maintenance	1334	1205	1072	1017	973	
Overhead	30889	33449	33987	35381	37047	
Total Operating Cost	47,028.00	51,687.88	53,874.87	57,204.22	61,055.20	
New Equipment	-	-	-	-	-	
Replacement Equipment	-	-	-	-	-	
Total Capital Cost	-	-	-	-	-	
Total Program cost	47,028.00	51,687.88	53,874.87	57,204.22	61,055.20	

BENEFITS

INSURES ADEQUATE AND YET NOT REDUNDANT FACILITIES FOR OCCUPATIONAL EDUCATION.

INSURES PROGRAMS THAT MATCH BUSINESS AND INDUSTRY NEEDS AND PEOPLE'S DESIRES FOR OCCUPATIONAL EDUCATION.

ENCOURAGE INNOVATIONS IN THE DELIVERY OF OCCUPATIONAL EDUCATION.

PROVIDES THE INFORMATION NECESSARY FOR COORDINATION.